

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2  
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) LAKEHURST--ETC(U)  
JUL 78

HURS--ETC (U)

NL

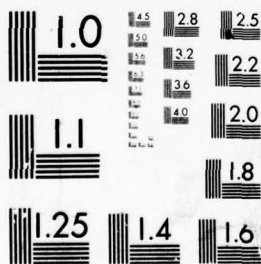
1 OF 4  
AD  
AO 67683

AD  
AO 67683

1000



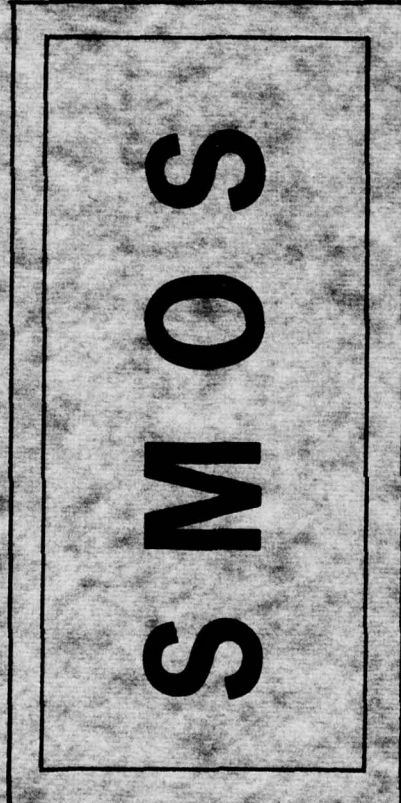
1 OF 4  
AD  
A0 67683



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

AD-A067683

DIRECTOR  
NAVAL OCEANOGRAPHY AND METEOROLOGY



(Summary of Meteorological Observations, Surface)

Prepared by  
Naval Weather Service Detachment  
Federal Building  
Asheville, N. C. 28801

DDC  
REFORMED  
23 APR 1979  
RUSSELL  
E

Job Number: 72006  
Period: 1945-77



Station: LAKEHURST, NJ  
Date: JULY, 1978

DISTRIBUTION STATEMENT A  
Approved for public release;  
Distribution Unlimited

79 04 19 0

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Summary of Meteorological Observations, Surface (SMOS) Lakehurst, New Jersey		5. TYPE OF REPORT & PERIOD COVERED Reference report 1945-1977
7. AUTHOR(s) N/A		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Weather Service Detachment Federal Building Asheville, N. C. 28001		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS Director, Naval Oceanography and Meteorology National Space Technology Laboratories NSTL Station, MS 39529		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE July 1978
		13. NUMBER OF PAGES 358
		15. SECURITY CLASS. (of this report) Unclassified
16. DISTRIBUTION STATEMENT (of this Report)  Approved for public release; distribution unlimited.		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		<b>ABSTRACTION for</b> DTIC      White Section <input checked="" type="checkbox"/> DDC      Buff Section <input type="checkbox"/> UNANNOUNCED <input type="checkbox"/> JUSTIFICATION _____ BY _____ DISTRIBUTION/AVAILABILITY CODES _____ Gen.    AVAIL. and/or SPECIAL A
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, Naval shore facility, coastal region, snow depth, cloud cover, Lakehurst, N.J.		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/ Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		



DIRNAVOCEANMET ltr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SM05 production and updating:

1. Ten years of data will be used as the standard period of record (POR).
2. All available data will be used for extreme values.
3. Summarize (update) every five years.
  - a. Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. The 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 will be included for extreme values.
  - b. The update in 1983 will include the POR 1973 through 1982, with all available data through 1982 for extreme values.
  - c. The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.
  - d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for extreme values.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy, and reliability in these tables, and the Naval Weather Service Detachment (NWSA), Asheville, N.C. welcomes your comment and criticisms.



## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.



Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

**NOTE:** The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

## PART A

# ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

# WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 1988

14780 STATION

LAKEHURST, NEW JERSEY

73-77

YEARS

JAN MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	01		10.8	2.2	1.1		12.9	16.1	1.1			17.2	93
	04		16.1	1.1	3.2		18.3	24.7				24.7	93
	07		9.0	1.3	5.2		14.8	27.1	4.5			28.4	155
	10		10.3	.6	3.9		14.8	21.9	7.7			27.1	155
	13		10.3		5.2		15.5	16.1	7.1	.6		20.6	155
	16		10.3		3.2		12.3	13.5	4.5	.6		18.1	155
	19		9.0		3.9		12.9	12.3	2.6			14.2	155
	22		8.4	1.3	4.5		12.9	14.2	1.9			16.1	155
TOTALS			10.5	.8	3.8		14.3	18.2	3.7	.2		20.8	1116



## WEATHER CONDITIONS

14780  
STATIONLAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

FEB  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	01		8.3		3.6		11.9	13.1	3.6			15.5	64
	04		6.0	1.2	3.6		10.7	16.7	1.2			17.9	84
	07		3.5	2.1	4.3		9.2	22.0	5.0	.7		25.5	141
	10	.7	5.0	.7	5.7		11.3	17.0	5.0	.7		22.0	141
	13		3.5	.7	5.0		9.2	10.6	2.8			13.5	141
	16		4.3	1.4	4.3		9.2	7.8	2.1			9.9	141
	19		9.9	1.4	5.7		15.6	7.8	5.0			12.8	141
	22		11.3		5.0		16.3	13.5	3.5	.7		17.0	141
TOTALS		.1	6.5	.9	4.7		11.7	13.6	3.5	.3		16.8	1014

# WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 1988

14780 STATION LAKEHURST, NEW JERSEY 73-77 YEARS MAR MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	01	1.1	14.0		1.1		15.1	21.5	2.2			21.5	93
	04		16.1		1.1		16.1	22.6	2.2			23.7	93
	07		11.0	.6	.6		12.3	25.2	5.2			29.7	155
	10		16.1		2.6		18.7	20.6	5.2			25.8	155
	13	.6	14.8		1.3		16.1	16.8	3.9			20.6	155
	16		12.3		3.9		14.2	14.8	5.8			18.7	155
	19	.6	17.4		1.9		19.4	18.7	3.9	.6		20.0	155
	22	.6	12.3		1.3		13.5	18.7	1.9			16.7	155
TOTALS		.4	14.3	.1	1.7		15.7	19.9	3.8	.1		22.3	1116

## WEATHER CONDITIONS

14780  
STATIONLAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

APR  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	01	1.1	10.0		1.1		11.1	10.0				10.0	90
	04		10.0		1.1		11.1	10.0				10.0	90
	07		9.3		.7		10.0	17.3	7.3			22.0	150
	10		9.3				9.3	8.0	2.7			10.7	150
	13		11.3		.7		11.3	10.7	1.3			13.3	150
	16	.7	12.7				12.7	9.3	2.7			12.0	150
	19		9.3		.7		10.0	12.7	5.3			17.3	150
	22	.7	6.7		.7		7.3	12.0	4.0			14.7	150
TOTALS		.3	9.8		.6		10.4	11.3	2.9			13.5	1080



## WEATHER CONDITIONS

14780  
STATIONLAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

MAY  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	01	1.1	11.8				11.8	34.4	6.5			37.6	93
	04		11.8				11.8	36.6	4.3			37.6	93
	07		9.7				9.7	33.5	7.1			34.8	155
	10		9.7				9.7	12.9	7.1			18.7	155
	13		10.3				10.3	7.1	9.7			14.8	155
	16	1.3	9.0				9.0	6.5	9.0			15.5	155
	19	1.9	16.1				16.1	12.9	11.6			22.6	155
	22	1.3	8.4				8.4	21.3	9.0			27.7	155
TOTALS		.7	10.9				10.9	20.7	8.0			26.2	1116

## WEATHER CONDITIONS

14780  
STATIONLAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

JUN  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	01	2.2	7.8				7.8	42.2	11.1			46.7	90
	04		11.1				11.1	61.1	6.7			64.4	90
	07		13.3				13.3	39.3	18.0			52.0	150
	10	1.3	12.0				12.0	12.7	18.0			29.3	150
	13	3.3	10.0				10.0	6.7	15.3			22.0	150
	16	1.3	8.0				8.0	6.7	13.3			19.3	150
	19	4.0	8.0				8.0	10.7	11.3			21.3	150
	22	4.0	9.3				9.3	23.3	12.7			36.0	150
TOTALS		2.0	9.9				9.9	25.3	13.3			36.4	1080

## WEATHER CONDITIONS

14780  
STATIONLAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

JUL  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01	3.2	5.4				5.4	32.3	19.4			47.3	93
	04		3.2				3.2	51.6	15.1			55.9	93
	07	.6	2.6				2.6	40.6	34.2			61.3	155
	10		5.2				5.2	5.8	26.8			39.4	155
	13	1.3	3.9				3.9	3.9	29.7			31.6	155
	16	4.5	7.1				7.1	3.9	29.7			32.3	155
	19	1.9	3.9				3.9	6.5	27.7			32.9	155
	22	1.3	4.5				4.5	16.9	29.9			42.2	154
TOTALS		1.6	4.5				4.5	20.2	27.8			42.9	1115



## WEATHER CONDITIONS

14780  
STATIONLAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

AUG  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	01	1.1	2.2				2.2	35.5	23.7			46.2	93
	04	1.1	7.5				7.5	48.4	20.4			51.6	93
	07	.6	6.5				6.5	60.0	25.2			69.0	155
	10	.6	7.1				7.1	12.3	38.1			47.1	155
	13	1.9	3.9				3.9	5.8	38.1			43.2	155
	16	5.8	7.1				7.1	9.0	32.9			41.3	155
	19	3.2	7.7				7.7	13.5	38.1			46.5	155
	22	.6	3.9				3.9	19.4	35.5			45.8	155
TOTALS		1.9	5.7				5.7	25.5	31.5			48.8	1116

## WEATHER CONDITIONS

14780  
STATIONLAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

SEP  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	01		8.9				8.9	36.7	13.3			40.0	90
	04	2.2	7.8				7.8	45.6	12.2			46.7	90
	07	.7	10.7				10.7	54.0	15.3			56.0	150
	10		6.7				6.7	14.7	20.7			30.7	150
	13	.7	6.7				6.7	9.3	13.3			22.7	150
	16	3.3	10.0				10.0	8.7	14.7			22.0	150
	19	3.3	14.7				14.7	16.0	16.0			28.0	150
	22	.7	11.3				11.3	26.7	15.3			37.3	150
TOTALS		1.4	9.6				9.6	26.5	15.1			35.4	1080

## WEATHER CONDITIONS

OCT  
MONTH

73-77

YEARS

LAKEHURST, NEW JERSEY  
STATION NAME14780  
STATIONPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	01	1.1	6.5				6.5	26.9	5.4			28.0	93
	04		8.6				8.6	31.2	5.4			33.3	93
	07		9.7				9.7	42.9	9.1			46.8	154
	10		11.0				11.0	16.1	11.0			25.8	155
	13		11.0				11.0	8.4	5.8			12.9	155
	16		8.4				8.4	7.7	4.5			11.6	155
	19		9.7				9.7	11.0	5.2			14.8	155
	22		9.7				9.7	21.3	3.9			23.2	155
TOTALS			9.3				9.3	20.7	6.3			24.6	1115



## WEATHER CONDITIONS

NOV  
MONTH

YEARS

73-77

LAKEHURST, NEW JERSEY  
STATION NAME14780  
STATIONPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	01		6.7				6.7	13.3	3.3			16.7	90
	04		7.8				7.8	20.0	3.3			22.2	90
	07		10.0				10.0	29.3	4.0			32.7	150
	10		12.0				12.0	18.0	8.7			26.0	150
	13		11.3		.7		12.0	12.7	3.3			15.3	150
	16		10.0				10.0	10.0	2.0			12.0	150
	19	.7	11.3		.7		11.3	14.0	2.7			16.7	150
	22		14.7		2.0		16.7	15.3	4.0			18.0	150
TOTALS		.1	10.5		.4		10.8	16.6	3.9			20.0	1080

## WEATHER CONDITIONS

14780  
STATIONLAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

DEC  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	01		7.0	1.2	3.5		10.5	15.1	1.2			16.3	86
	04		11.8	1.2	2.4		14.1	16.5	1.2			17.6	85
	07		11.6	1.3	2.6		15.5	20.6	.6			20.6	155
	10		13.5	.6	2.6		15.5	19.4	3.2			21.9	155
	13		13.5	1.3	2.6		16.8	12.9	2.6			15.5	155
	16		10.3	.6	1.3		12.3	11.0	3.2			14.2	155
	19		12.9	.6	1.9		15.5	12.3	3.9			15.5	155
	22		12.3	.6	3.2		16.2	15.6	3.9	.6		19.5	154
TOTALS			11.6	.9	2.5		14.6	15.4	2.5	.1		17.6	1100

## WEATHER CONDITIONS

14780  
STATIONLAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

ALL  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL		10.5	.8	3.8		14.3	18.2	3.7	.2		20.8	1116
FEB		.1	6.5	.9	4.7		11.7	13.6	3.5	.3		16.8	1014
MAR		.4	14.3	.1	1.7		15.7	19.9	3.8	.1		22.3	1116
APR		.3	9.8		.6		10.4	11.3	2.9			13.5	1080
MAY		.7	10.9				10.9	20.7	8.0			26.2	1116
JUN		2.0	9.9				9.9	25.3	13.3			36.4	1080
JUL		1.6	4.5				4.5	20.2	27.8			42.9	1115
AUG		1.9	5.7				5.7	25.5	31.5			48.8	1116
SEP		1.4	9.6				9.6	26.5	15.1			35.4	1080
OCT		.1	9.3				9.3	20.7	6.3			24.6	1115
NOV		.1	10.5		.4		10.8	16.6	3.9			20.0	1080
DEC			11.6	.9	2.5		14.6	15.4	2.5	.1		17.6	1100
TOTALS		.7	9.4	.2	1.1		10.6	19.5	10.2	.1		27.1	13128



# WEATHER CONDITIONS

## ATMOSPHERIC PHENOMENA

5701 WEATHER CONDITIONS JAN 68

NNNN

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

NNNN

14780

LAKEHURST, NEW JERSEY

49-77

ALL

STATION

NAME

YEARS

MONTH

### PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.3	34.3	4.7	25.7		49.6	43.3	39.4	2.8	.3	60.4	898
FEB		1.3	36.4	2.4	27.4	.1	51.5	42.9	40.3	2.7		58.9	819
MAR		4.4	42.8	1.1	19.7	.2	52.4	47.3	37.4	1.8		58.5	899
APR		6.9	49.0	.1	4.8	.2	50.3	50.6	37.0		.2	60.8	870
MAY		12.0	51.3		.2	.1	51.3	57.9	47.5		.1	68.9	891
JUN		16.7	44.9			.5	44.9	67.4	63.4			80.3	870
JUL		19.9	43.0			.1	43.0	69.1	72.2			83.5	899
AUG		18.4	43.5				43.5	75.5	70.6			84.0	899
SEP		8.2	39.7			.1	39.7	68.7	58.9			77.8	870
OCT		3.6	35.4		1.2	.2	35.8	62.7	49.5			72.2	868
NOV		1.7	41.1		6.3	.1	43.7	51.2	44.8			64.4	871
DEC		.4	40.0	2.2	18.8	.1	50.0	47.2	40.9	1.3		63.6	898
TOTALS		7.8	41.8	.9	8.7	.1	46.3	57.0	50.2	.7	.0	69.4	10352

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

14780

LAKEHURST, NEW JERSEY

JAN 1973-DEC 1977

JANUARY

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	22.7		2.3	2.3	2.3	13.6			34.1	2.3	2.3			59.1
NNE	17.9			10.7		10.7			46.4	7.1	7.1			35.7
NE	21.7		4.3	4.3	4.3	8.7			43.5					56.5
ENE	12.0	6.0	20.0			12.0			32.0	4.0	12.0			48.0
E	18.8			3.1		3.1			15.6	3.1	9.4			62.5
ESE	17.4		4.3		4.3	13.0			26.1					60.9
SE	35.3		5.9						29.4	5.9	5.9			58.8
SSE	13.5	2.7	2.7			2.7			16.2	5.4	8.1			67.6
S	14.3	8.6	2.9						17.1	2.9				74.3
SSW	11.4	14.3	5.7			5.7			25.7					65.7
SW	6.0					4.0			8.0	10.0	2.0			74.0
WSW	9.1	2.6				2.6			9.1	5.2	1.3			75.3
W	2.2	.4	.4			1.8			8.5	2.7	3.6	.9		86.6
WNW	.7		.7		.7	2.2			6.6	2.2	4.4			86.1
NW	1.1		2.3	1.1	1.1	2.3			3.4	4.5	4.5			86.4
NNW	12.5		6.3			2.1			18.8		4.2			72.9
VARIABLE														
CALM	2.2		1.0	.5	.5	3.1			9.8	8.8	4.7			75.1
TOTAL	86	13	22	8	6	41			153	48	44	2		842
% TOTAL	7.7	1.2	2.0	.7	.5	3.7			13.7	4.3	3.9	.2		75.4

TOTAL NUMBER OF OBSERVATIONS

1,116

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

14780

LAKEHURST, NEW JERSEY

JAN 1973-DEC 1977

FEBRUARY

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.2		4.3	4.3	2.2	17.4			26.1		2.2			71.7
NNE	5.7		5.7			20.0			22.9		8.6			60.0
NE	12.2		9.8	4.9	7.3	14.6		2.4	34.1		4.9			51.2
ENE	11.4		9.1	9.1	4.5				31.8	4.5	4.5			54.5
E	14.3	7.1	7.1	3.6	3.6	3.6			28.6	7.1	7.1			50.0
ESE	10.5	5.3				15.8			52.6					47.4
SE	9.1					4.5			27.3	4.5	9.1			63.6
SSE	15.4	3.8							19.2	7.7	11.5			61.5
S	7.8	2.0							5.9		2.0			86.3
SSW		9.6	1.9			1.9			7.7	1.9	3.8			80.8
SW	2.1	2.1							6.3	2.1	2.1			91.7
WSW									3.5	1.8	3.5			91.2
W	1.2	1.8	.6			1.2			1.8	1.2	1.8	1.2		92.6
WNW	.8					6.6			4.1	3.3	4.1	.8		84.4
NW			2.2	1.1		4.4			6.7	3.3				88.9
NNW	2.1					4.3			6.4		2.1			89.4
VARIABLE														
CALM														
TOTAL	35	15	21	10	7	45		1	110	26	36	3		813
% TOTAL	3.5	1.5	2.1	1.0	.7	4.4		.1	10.8	2.6	3.6	.3		80.2

TOTAL NUMBER OF OBSERVATIONS

1,014



PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION 14780 LAKEHURST, NEW JERSEY JAN 1973-DEC 1977 MONTH MARCH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		2.6				2.6			5.1		2.6			87.2
NNE	3.1		12.5		3.1				28.1		18.8			50.0
NE	17.6		25.5		2.0	5.9			51.0	2.0	2.0			43.1
ENE	24.5	1.9	18.9			5.7		1.9	49.1	1.9	1.9	1.9		39.6
E	16.9	3.1	18.5	1.5	4.6	6.2			38.5	6.2	6.2			46.2
ESE	27.0	2.7	8.1			2.7			32.4	5.4	16.2			48.6
SE	26.2	2.4	2.4						26.2	4.8	9.5			54.8
SSE	20.4	4.1	2.0						30.6	6.1	6.1			57.1
S	7.0	5.3				1.8			5.3	3.5				80.7
SSW	2.6	7.7							10.3					84.6
SW	2.1								18.8	2.1	4.2			77.1
WSW	2.2	8.7	2.2					2.2	8.7		2.2			80.4
W	1.0	5.7	1.0			1.0		1.0	7.6		2.9			82.9
WNW	2.4	.8							2.4		1.6			93.5
NW	1.6	.8							2.4	.8				95.1
NNW			4.6						7.7	1.5	1.5			89.2
VARIABLE														
CALM	4.3		1.4			2.1		.7	14.9	10.6	5.0			68.8
TOTAL	84	26	51	1	5	17		4	186	33	42	1		820
% TOTAL	7.5	2.3	4.6	.1	.4	1.5		.4	16.7	3.0	3.8	.1		73.5

TOTAL NUMBER OF OBSERVATIONS 1,116

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

14780

LAKEHURST, NEW JERSEY

JAN 1973-DEC 1977

APRIL

ALL

HOURS (L.S.T.)

STATION

STATION NAME

YEARS

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	15.4		2.6			2.6			17.9					79.5
NNE	15.8	5.3	5.3						21.1					73.7
NE	29.2	4.2	20.8					4.2	41.7	4.2	8.3			41.7
ENE	31.6		15.8						42.1	5.3	10.5			47.4
E	17.9	7.7	2.6						25.6	5.1	7.7			56.4
ESE	18.5								33.3		3.7			59.3
SE	13.3		13.3						28.9	4.4	6.7			62.2
SSE	3.1								6.3	6.3	9.4			81.3
S	4.8	1.6						2.3	9.5	3.2	3.2			82.5
SSW	4.7	7.0	4.7						4.7		2.3			81.4
SW	3.3	5.0							1.7	6.7	3.3			86.7
WSW	3.0	4.0							3.0		2.0			91.1
W	1.4	3.5							2.8	2.8	2.8			90.3
WNW	2.7	1.8				1.8			2.7	.9	3.6			87.3
NW	.7	.7				2.2			2.2					96.4
NNW	4.2	1.4							5.6	1.4	2.8			91.5
VARIABLE														
CALM	4.7	2.8						.9	10.4	2.8	2.8			83.0
TOTAL	65	28	19			6		3	100	23	34			899
% TOTAL	6.0	2.6	1.8			.6		.3	9.3	2.1	3.1			83.2

TOTAL NUMBER OF OBSERVATIONS

1,080

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

14780

LAKEHURST, NEW JERSEY

JAN 1973-DEC 1977

MAY

ALL

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS (ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.6	8.3	8.3					5.6	8.3	2.8	2.8			75.0
NNE			15.4						15.4	15.4	7.7			61.5
NE	14.8		11.1						25.9	3.7				66.7
ENE	12.2	2.0	8.2						24.5	4.1	8.2			59.2
E	16.7	3.0	4.5						24.2	4.5	10.6			54.5
ESE	25.0								23.1	5.8	9.6			55.8
SE	10.3	4.4						1.5	14.7	7.4	13.2			60.3
SSE	10.0	5.0							11.7	10.0	5.0			71.7
S	6.4	3.6							10.9	6.4	6.4			74.5
SSW	2.0	2.0							8.2	2.0	2.0			85.7
SW		1.8	1.8					1.8	7.0	8.8	7.0			77.2
WSW	1.5	1.5						1.5	2.9	13.2	14.7			70.6
W	1.4	2.7						.7	4.8	5.4	8.8			81.0
WNW	1.5	4.5						1.5	4.5	1.5	10.4			80.6
NW	5.1	2.6							2.6	10.3	11.5			76.9
NNW	2.6	2.6	2.6					2.6	5.1	7.7				84.6
VARIABLE														
CALM	8.4	8.8	8.8						18.5	12.8	8.5			60.0
TOTAL	73	30	18					8	129	83	92			791
% TOTAL	6.5	2.7	1.6					.7	11.6	7.4	8.2			70.9

TOTAL NUMBER OF OBSERVATIONS

1,116



PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

14780

LAKEHURST, NEW JERSEY

JAN 1973-DEC 1977

JUNE

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	10.8	2.7	5.4					5.4	18.9	13.5	8.1			56.8
NNE	8.7		8.7					4.3	26.1	8.7				56.5
NE	10.7	14.3	3.6					3.6	17.9	14.3	17.9			39.3
ENE	15.4	3.8	5.8						25.0	1.9	3.8			65.4
E	10.9	1.6	6.3					1.6	26.6	1.6	6.3			64.1
ESE	4.3	8.7						2.2	21.7	6.3	13.0			52.2
SE	4.7	4.7	1.6					4.7	26.6	6.3	4.7			59.4
SSE	5.2	5.2						1.7	15.3	6.9	13.8			63.8
S	3.6	6.3	3.6					3.6	13.4	5.4	17.0			60.7
SSW	4.2	5.6	2.8					1.4	6.9	6.9	18.1			66.7
SW	1.5									7.6	28.8			65.2
WSW		4.9						2.4	11.0	3.7	24.4			59.8
W		2.9						2.9	9.5	10.5	23.8			58.1
WNW		2.9						1.4	4.3	7.1	7.1			81.4
NW	2.5							2.5	2.5	15.0	5.0			72.5
NNW		9.1								9.1	12.1			72.7
VARIABLE														
CALM	1.6	3.9	1.6					3.8	21.1	15.6	8.6			55.5
TOTAL	43	46	21					23	154	88	149			669
% TOTAL	4.0	4.3	1.9					2.1	14.3	8.1	13.8			61.9

TOTAL NUMBER OF OBSERVATIONS

1,080

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

14780

LAKEHURST, NEW JERSEY

JAN 1973-DEC 1977

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.2	4.4						6.7	11.1	11.1	28.9			51.1
NNE	4.0								12.0	16.7	24.0			64.0
NE											16.7			66.7
ENE		4.0	4.0						16.0	4.0	20.0			56.0
E		8.6							14.3		20.0			68.6
ESE	3.8								11.5		26.9			69.2
SE	2.7	5.4	2.7						18.9	2.7	27.0			56.8
SSE	1.9							1.9	7.7	7.7	38.5			51.9
S		5.9						2.0	7.9	8.9	28.7			52.5
SSW		7.2						1.2	8.4	3.6	21.7			62.7
SW	1.2	3.5						3.5	7.1	4.7	38.8			51.8
WSW	1.0	2.0						2.0	10.0	10.0	41.0			47.0
W		3.1						.8	5.4	8.5	30.0			56.9
WNW	1.3	1.3							1.3	2.6	35.1			59.7
NW		1.6						1.6	6.3	3.1	17.2			71.9
NNW		7.0						3.5	7.0	10.5	17.5			66.7
VARIABLE														
CALM	1.2	1.8						1.2	10.8	25.7	25.7			55.5
TOTAL	10	38	2					18	96	102	320			623
% TOTAL	.9	3.4	.2					1.6	8.6	9.1	28.7			55.9

TOTAL NUMBER OF OBSERVATIONS 1,115

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

14780

LAKEHURST, NEW JERSEY

JAN 1973-DEC 1977

AUGUST

ALL

HOURS (L.S.T.)

STATION NAME

YEARS

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.6	5.6	2.8					2.8	11.1	5.6	22.2			58.3
NNE	9.7	6.5						3.2	12.9		12.9			67.7
NE	14.3	14.3						9.5	28.6	9.5	23.8			47.6
ENE	11.1	4.4						4.4	24.4	11.1	22.2			53.3
E	5.9	7.8	3.9						17.6	11.8	19.6			54.9
ESE		3.7							11.1	7.4	25.9			63.0
SE	4.3	2.2						2.2	10.9	8.7	26.1			54.3
SSE	2.1	14.6						4.2	10.4	8.3	39.6			43.8
S		7.2						4.8	12.0	13.3	39.8			41.0
SSW		1.5						1.5	10.6	16.7	45.3			37.9
SW		1.4						1.4	2.7	12.3	49.3			39.7
WSW		1.4						1.4	8.2	23.3	52.1			30.1
W	1.7	.9						.9	3.5	9.6	46.1			44.3
WNW		2.6						2.6	7.7	10.3	37.2			50.0
NW										10.0	32.0			66.0
NNW	5.4							2.7	8.1	5.4	16.2			70.3
VARIABLE														
CALM														
TOTAL	25	38	3					22	105	159	362			554
% TOTAL	2.2	3.4	.3					2.0	9.4	14.2	32.4			49.6

TOTAL NUMBER OF OBSERVATIONS

1,116



PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

14780

LAKEHURST, NEW JERSEY

JAN 1973-DEC 1977

SEPTEMBER

ALL

HOURS (L.S.T.)

MONTH

YEARS

STATION NAME

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.9							2.9	11.8	5.9	11.8			70.6
NNE	14.6		11.1					3.7	37.0	7.4	3.7			55.6
NE	24.2	1.6	9.7						33.9	4.8	6.5			54.8
ENE	20.0		17.1						37.1	2.9	2.9			54.3
E	15.0		5.0					2.5	17.5	5.0	2.5			72.5
ESE	14.6		2.4					2.4	14.6	2.4	2.4			75.6
SE	17.6							2.9	23.5	8.8	14.7			52.9
SSE	3.6	5.5						3.6	12.7	14.5	23.6			54.5
S	1.4	4.2						1.4	9.9	11.3	23.9			60.6
SSW		4.4						2.2	11.1	22.2	24.4			44.4
SW	3.6	5.4						1.8	3.6	7.1	14.3			75.0
WSW	1.9	1.9							11.3	18.9	20.8			58.5
W	3.1	2.0	1.0					2.0	8.2	16.3	21.4			58.2
WNW	2.4	2.4							1.2	9.3	25.0			67.9
NW	1.3	1.3	2.6						6.5	1.3	9.1			81.8
NNW	3.7	3.7						1.9	7.4	5.6	7.4			79.6
VARIABLE														
CALM	5.5	1.9						1.9	7.9	25.7	16.8			61.2
TOTAL	61	24	21					15	131	137	166			687
% TOTAL	5.6	2.2	1.9					1.4	12.1	12.7	15.4			63.6

TOTAL NUMBER OF OBSERVATIONS

1,080

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

14780

LAKEHURST, NEW JERSEY

JAN 1973-DEC 1977

OCTOBER

ALL

HOURS (L.S.T.)

STATION NAME

MONTH

YEARS

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	6.3		2.1						14.6	2.1				81.3
NNE	18.4	7.9	2.6						21.1	13.2	5.3			52.6
NE	11.1	2.2	13.3						24.4		2.2			66.7
ENE	17.0	1.9	13.2						24.5	7.5	5.7			60.4
E	13.1	4.9	11.5						31.1	6.6	1.6			54.1
ESE	13.5								10.8	10.8	2.7			75.7
SE	10.3	3.4	3.4						24.1	6.9	13.8			58.6
SSE	16.7	2.4							21.4	2.4	7.1			69.0
S	14.6	4.9							9.8	9.8	9.8			65.9
SSW	3.3	16.7						3.3	13.3	6.7	3.3			73.3
SW	2.2								4.4	8.9	11.1			80.0
WSW	1.3								8.0	6.7	16.0			72.0
W	2.3	1.5							4.5	7.5	10.5			78.9
WNW	1.9								1.9		3.7			93.5
NW	1.1	1.1							3.2	5.4	5.4			84.9
NNW	3.8								3.8	1.9				90.4
VARIABLE														
CALM	1.1	.5	.5						9.2	23.8	5.9			63.8
TOTAL	66	21	24					1	124	96	71			817
% TOTAL	5.9	1.9	2.2					.1	11.1	8.6	6.4			73.3

TOTAL NUMBER OF OBSERVATIONS

1,115

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

14780

LAKEHURST, NEW JERSEY

JAN 1973-DEC 1977

NOVEMBER

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWER	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.3								10.5					89.5
NNE	17.9		7.1						28.6	3.6	3.6			64.3
NE	25.0		15.0						45.0					45.0
ENE	18.4	5.3	28.9						57.9					42.1
E	18.8		15.6						40.6	9.4	15.6			34.4
ESE	13.0		4.3						34.8		13.0			56.5
SE	22.2		18.5						40.7	11.1	3.7			37.0
SSE	9.1	4.5	9.1						27.3	4.5	9.1			59.1
S	4.2	7.0	4.2						19.7	2.8	5.6			70.4
SSW	6.1	4.5	1.5			1.5		1.5	10.6	7.6	4.5			69.7
SW		4.6							4.6	3.1	3.1			90.8
WSW		1.1	1.1						4.3	2.1	2.1			90.4
W	1.0	3.1							2.1	1.0	3.1			90.1
WNW		1.7							1.7	2.5	3.4			91.6
NW	2.5				1.3	3.8			3.8		1.3			92.4
NNW	11.4		5.7						14.3		2.9			77.1
VARIABLE														
CALM	1.3		2.3						10.7	12.0	4.7			71.3
TOTAL	55	23	41		1	5		1	137	42	42			836
% TOTAL	5.1	2.1	3.8		.1	.5		.1	12.7	3.9	3.9			77.4

TOTAL NUMBER OF OBSERVATIONS

1,080



PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

14780

LAKEHURST, NEW JERSEY

JAN 1973-DEC 1977

DECEMBER

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.1			2.4		14.3			9.5	2.4	9.5			66.7
NNE	20.5		7.7	10.3	5.1	2.6			38.5	2.6	2.6			48.7
NE	32.4		8.1	10.8	5.4				40.5		5.4			43.2
ENE	34.5		13.8						37.9		3.4			48.3
E	37.8		2.7						37.8		5.4			54.1
ESE	10.0		10.0						15.0	5.0				75.0
SE	11.8								23.5		11.8			70.6
SSE	25.9	11.1							14.8	18.3	7.4			55.6
S	20.5	6.8			1.4	1.4			15.1	2.7	1.4			65.8
SSW	16.7	2.4	2.4						19.0	2.4	2.4			69.0
SW	3.8								5.8	7.7	7.7			80.8
WSW		1.8	1.8						8.9	3.6	3.6			82.1
W	3.1	1.2	1.9		.6	.6			5.6	4.3				87.7
WNW			1.4			5.0			7.2			.7		88.5
NW	5.1	3.0							2.0	1.0	1.0			91.9
NNW	4.4		4.4	2.2	2.2	8.9			15.6					82.2
VARIABLE														
CALM	1.6	1.1	1.1	1.1	1.1	1.1			5.4	4.9	2.7			84.2
TOTAL	97	16	24	10	7	22			135	34	28	1		852
% TOTAL	8.8	1.5	2.2	.9	.5	2.0			12.3	3.1	2.5	.1		77.5

TOTAL NUMBER OF OBSERVATIONS

1,100

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

14780

LAKEHURST, NEW JERSEY

JAN 1973-DEC 1977

ALL

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.5	1.9	2.4	.5	.4	4.7		1.9	15.5	3.9	7.7			69.7
NNE	12.1	1.8	5.9	2.1	.9	3.3		.9	26.6	4.4	8.0			56.5
NE	19.0	2.6	11.7	1.3	1.8	2.9		1.3	34.8	3.4	6.0			51.4
ENE	16.9	2.4	12.4	.9	.4	1.3		.6	33.2	4.1	7.3	.2		53.1
E	13.1	3.6	7.1	.5	.7	1.1		.4	26.9	3.1	8.9			56.0
ESE	14.0	1.9	2.1		.3	1.9		.5	22.8	4.2	9.8			61.4
SE	12.3	2.3	3.6			.2		1.3	23.2	6.3	12.5			57.4
SSE	9.6	4.9	.8			.2		1.2	15.6	8.3	16.1			61.0
S	6.0	5.3	.9		.1	.2		1.3	11.4	6.2	13.5			66.0
SSW	3.7	6.3	1.4			.6		1.1	10.6	6.3	13.0			67.0
SW	2.0	2.1	.1			.3		.9	5.5	6.8	16.6			72.2
WSW	1.7	2.4	.3			.2		.8	7.3	7.1	16.1			70.4
W	1.6	2.3	.4		.1	.5		.5	5.2	5.1	11.0	.2		78.2
WNW	1.1	1.2	.2		.1	1.7		.3	3.9	2.8	9.2	.2		82.5
NW	1.8	1.0	.6	.2	.2	1.2		.2	3.4	3.5	5.5			86.4
NNW	3.9	1.9	1.9	.2	.2	1.2		.9	8.2	3.4	5.3			81.5
VARIABLE														
CALM	2.4	1.2	.3	.1	.1	.7		.5	10.4	13.8	10.0			66.3
TOTAL	700	318	267	29	26	136		96	1560	871	1386	7		9203
% TOTAL	5.3	2.4	2.0	.2	.2	1.0		.7	11.9	6.6	10.6	.1		70.1

TOTAL NUMBER OF OBSERVATIONS

13,128

NAVWEASERVCOM





NWSD, Federal Building  
Asheville, N. C.

## PART B      PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

45-77

YEARS

21665

1969 Jan. Daily Amounts 5722A

AMOUNTS (INCHES)																	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	1.1-25	26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	PERCENT OF DAYS WITH MEASUR- ABLE AMTS						
															MEAN	GREATEST		LEAST		
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4							
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120							
JAN	50.1	14.4	2.2	8.4	4.2	8.0	6.3	4.3	2.0	.1				35.5	930	3.30	9.19	.46		
FEB	49.2	17.0	3.4	5.8	3.8	7.5	5.4	5.5	2.4					33.8	876	3.17	7.05	1.13		
MAR	47.9	17.1	2.9	5.9	4.4	5.7	7.3	6.1	2.7					35.1	961	3.90	7.28	.53		
APR	49.2	14.6	2.2	7.6	5.1	7.2	7.0	5.1	2.0	.1				36.2	990	3.29	6.63	.93		
MAY	49.2	16.1	3.4	7.5	5.6	6.3	5.5	4.7	1.7	.1				34.7	899	3.13	7.47	.33		
JUN	54.4	13.4	3.0	5.8	4.4	6.9	4.7	4.7	2.4	.2				32.1	900	3.22	7.24	.01		
JUL	56.3	15.6	2.0	4.9	3.1	4.5	5.5	4.5	3.0	.6				28.1	961	3.95	9.90	1.04		
AUG	56.2	14.6	2.0	4.3	3.5	6.5	4.3	4.6	3.0	1.0				29.2	1023	4.45	10.56	.91		
SEP	60.2	13.0	2.2	5.1	3.6	5.3	3.4	4.0	2.5	.6				26.8	960	3.51	10.18	.61		
OCT	64.5	11.8	2.6	4.7	1.8	5.5	2.2	3.4	3.0	.5				23.7	961	3.25	7.17	.22		
NOV	54.7	12.6	2.3	7.6	3.8	5.4	4.3	6.3	2.9	.1				32.7	930	3.75	9.03	.40		
DEC	50.1	17.2	2.9	5.2	3.3	6.2	5.8	5.8	3.2	.2				32.7	930	4.00	8.24	.51		
ANNUAL	53.5	14.8	2.6	6.1	3.9	6.2	5.1	4.9	2.6	.3				31.7	11321	42.92				

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

14780 STATION LAKEHURST, NEW JERSEY 45-77 YEARS

5722 Daily Amounts Jan. 1969

PRECIP.	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	50.5-100.0	100.1-200.0	OVER 200.0	PERCENT OF DAYS WITH MEASUR-ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
																		MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	50.5-100.0	100.1-200.0	OVER 200.0					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120							
JAN	75.5	12.8	4.7	2.6	2.0	.9	.6	.5	.5							11.8	868	5.9	21.8	.1
FEB	72.6	15.0	3.4	4.1	1.8	1.0	.4	.9	.7	.1						12.5	762	6.8	27.3	TRACE
MAR	80.8	11.7	1.8	2.2	1.6	.6		.6	.6	.2	.1					7.6	899	5.8	34.5	.0
APR	95.8	3.3	.3	.2	.1	.2										.8	960	.3	3.9	.0
MAY	99.9	.1															868	TRACE	TRACE	.0
JUN	100.0																900	.0	.0	.0
JUL	100.0																961	.0	.0	.0
AUG	100.0																961	.0	.0	.0
SEP	100.0																870	.0	.0	.0
OCT	99.0	.9	.1													.1	868	TRACE	.1	.0
NOV	94.0	5.0	.4	.2				.2	.1							1.0	840	.7	7.0	.0
DEC	81.6	11.2	2.0	2.6	1.1	.5	.4	.2	.4							7.2	837	3.5	18.7	TRACE
ANNUAL	91.6	5.0	1.1	1.0	.5	.3	.1	.2	.2	.0	.0					3.4	10594	23.0		



# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

14780 STATION LAKEHURST, NEW JERSEY 45, 49-77 YEARS

5722 Daily Amounts Jan. 1969

PRECIP. SNOWFALL SNOW- DEPTH	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
																MEAN	GREATEST	LEAST
JAN	66.4	12.6	5.1	3.6	3.9	5.0	2.9	.6						21.0	899			
FEB	65.4	15.4	5.1	3.5	1.9	4.3	3.0	1.4						19.2	791			
MAR	85.8	5.4	2.8	1.8	.7	1.8	1.0	.6						8.8	868			
APR	99.2	.5	.1		.2									.3	870			
MAY	100.0														868			
JUN	100.0														840			
JUL	100.0														899			
AUG	100.0														899			
SEP	100.0														870			
OCT	99.7	.3													868			
NOV	98.6	1.3	.1											.1	840			
DEC	79.3	10.6	4.7	1.8	1.6	1.0	.7							9.9	868			
ANNUAL	91.2	3.8	1.5	.9	.7	1.0	.6	.2						4.9	10380			

# EXTREME VALUES

PRECIPITATION  
(FROM DAILY OBSERVATIONS)

14780 STATION LAKEHURST, NEW JERSEY 45-77 YEARS

## 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45				.64	.69	.91	1.06	.81	1.10	.53	2.15		
46		.73	.61	.30				3.21			.26	1.03	
47	.85	.60	1.00	.67		.86		1.61	.54	.94			
48		.38		1.45	1.00		1.40	1.88	.99	.52	.49	.99	
49	1.03	.93	1.05	.51		.01	.59	2.46	.83		.83		
50	.24	.50	.81	.79		.95	1.15	1.62	2.84	1.82	1.60	.68	
51	.83	1.59	2.24	.69	.84	.67	.83	.79	.71	2.85	1.49	1.23	2.85
52	1.01	1.13	1.72	2.52	1.60	.60	.63	3.76	.99	.92	.92	1.84	3.76
53	1.04	1.67	1.94	.96	.76	2.23	4.22	2.19	.40	1.16	1.60	1.86	4.22
54	.80	.95	.77	1.86	1.72	.17	.50	2.29	4.88	.51	1.39	1.53	4.88
55	.15	1.04	1.01	.76	.87	1.12	.66	3.81	1.30	2.79	.59	.30	3.81
56	.51	1.47	1.05	1.42	.53	.99	3.05	.98	1.72	1.66	1.05	1.07	3.05
57	.38	1.03	.96	1.34	.24	3.03	1.40	.88	.70	.93	.93	3.00	3.03
58	4.03	1.51	1.52	1.19	1.78	1.01	1.42	3.31	3.14	2.36	.75	.70	4.03
59	.47	.59	1.45	.58	1.63		2.41	1.13	.38	2.13	2.19	2.05	
60	1.40	1.82	1.33	.82	.80	1.55	1.43	1.07	4.68	.81	.80	.79	4.68
61	1.47	.76	1.89	1.98	1.51	1.07	.98	1.67	1.83	1.36	1.40	1.05	1.98
62	1.54	.62	2.03	.89	1.00	1.37	1.82	2.09	2.25	1.52	1.29	.71	2.25
63	.50	.99	1.09	.73	.54	.95	1.03	.82	1.27	.20	2.08	.78	2.08
64	.96	.96	.63	.98	.25	1.54	3.97	.36	1.51	1.57	.81	1.55	3.97
65	1.02		1.51	.33	.49	.86	1.63	.63	.55	.72	.44	.76	
66	1.61	2.43	.30	.85	.92	1.83	1.22	.51	3.62	2.96	.75	.91	3.62
67	.94	.80	1.64	1.15	1.34	1.35	1.60	2.87	.82	.76	.70	1.39	2.87
68	2.03	.70	1.16	1.24	4.63	5.00	1.36	2.61	.70	1.27	2.16	1.10	5.00
69	.68	1.20	1.10	.96	1.03	1.12	2.87	.44	2.25	.66	.76	2.35	2.87
70	.48	1.03	.98	2.05	.54	1.20	.44	1.85	1.07	.35	.80	1.37	2.05
71	.55	1.58	.68	1.32	2.27	.31	.52	3.67	1.66	1.83	1.69	1.19	3.67
72	.55	1.50	.84	1.05	.95	1.14	.65	1.09	.25	2.72	2.16	.93	2.72
73	1.48	1.78	1.70	1.04	.76	1.79	.94	.79	1.26	4.39	.29	1.73	4.39
74	.62	.81	1.21	1.12	.43	1.06	.85	1.23	1.38	1.39		2.88	
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

193943

STATION	STATION NAME
14780	LAKEHURST, NEW JERSEY

45-77

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]





## EXTREME VALUES

SNOWFALL  
(FROM DAILY OBSERVATIONS)

14780 STATION LAKEHURST, NEW JERSEY STATION NAME 45-77 YEARS

## 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45				.0	.0	.0	.0	.0	.0	.0	.0	.5	
46			.0	.0			.0	.0					
47	.5		TRACE	.0						.0			
48				.0	.0		.0	.0	.0	.0	.0		
49	3.8	9.6	1.5	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	1.5
50	.5	.7	1.5	TRACE	.0	.0	.0	.0	.0	.0	.5		4.8
51	4.8	1.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.1	4.6	7.0
52	3.0	.2	7.0	.0	.0	.0	.0	.0	.0	TRACE	1.0	1.0	5.0
53	2.3	TRACE	5.0	TRACE	.0	.0	.0	.0	.0	.0	4.8	TRACE	8.0
54	8.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.1
55	1.5	4.7	4.8	.0	.0	.0	.0	.0	.0	.0	5.1	1.0	8.5
56	2.6	3.0	6.5	2.9	.0	.0	.0	.0	.0	.0	TRACE	1.5	5.0
57	2.0	2.1	2.3	TRACE	.0	.0	.0	.0	.0	.1	.2	5.0	18.0
58	5.5	12.8	16.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.0	3.0
59	2.3	TRACE	1.3	1.6	.0	.0	.0	.0	.0	.0	.2	3.0	12.4
60	2.5	3.0	12.4	TRACE	.0	.0	.0	.0	.0	TRACE	.0	7.9	9.2
61	9.2	4.3	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.0	8.0
62	.4	2.7	8.0	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	7.2	7.2
63	2.0	1.0	.1	.0	TRACE	.0	.0	.0	.0	.0	TRACE	2.0	9.6
64	9.6	4.5	2.2	.0	.0	.0	.0	.0	.0	.0	TRACE	2.0	9.9
65	9.9	2.0	2.5	3.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE	5.0
66	4.7	5.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	4.0	8.0
67	1.0	8.0	2.2	TRACE	.0	.0	.0	.0	.0	.0	7.0	2.6	4.0
68	2.0	2.0	2.7	.0	.0	.0	.0	.0	.0	.0	TRACE	4.0	11.0
69	1.4	7.0	11.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.4	4.8
70	4.8	2.0	.9	TRACE	.0	.0	.0	.0	.0	.0	.0	1.5	4.4
71	4.4	.6	2.5	1.1	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.4
72	3.1	3.4	TRACE	.4	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE	.6
73	.1	.5	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	
74	3.3	8.3	TRACE	.3	.0	.0	.0	.0	.0	.0	.0	TRACE	
MEAN													
S. D.													
TOTAL OBS.													

5723 Extreme Values Jan 1969

## EXTREME VALUES

(FROM DAILY OBSERVATIONS)

24 HOUR AMOUNTS IN INCHES

[illegible]

NAVWEASERVCOM



**SNOWFALL**

(FROM DAILY OBSERVATIONS)

14780

**LAKEHURST, NEW JERSEY**

STATION NAME

45-77

YEARS

24 HOUR AMOUNTS IN INCHES  
/BASED ON LESS THAN FULL MONTHS/

[illegible]

# EXTREME VALUES

SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

14780 STATION LAKEHURST, NEW JERSEY 45-47, 49-77 YEARS

## DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45								0					
46													
47													
48													
49	0			0			0	0	0	0	0	0	20
50	TRACE	5	20	0	0	0	0	0	0	0	TRACE	TRACE	10
51	TRACE	10	TRACE	0	0	0	0	0	0	0	TRACE	1	7
52	5	TRACE	7	0	0	0	0	0	0	0	TRACE	1	3
53	1	0	3	0	0	0	0	0	0	0	0	TRACE	9
54	9	0	0	0	0	0	0	0	0	0	0	TRACE	4
55	1	4	1	0	0	0	0	0	0	0	1	2	12
56	4	2	12	3	0	0	0	0	0	0	0	1	4
57	2	3	0	0	0	0	0	0	0	0	TRACE	4	20
58	6	20	12	0	0	0	0	0	0	0	0	3	4
59	4	0	1	TRACE	0	0	0	0	0	0	0	3	16
60	2	1	16	0	0	0	0	0	0	0	0	12	14
61	14	11	0	0	0	0	0	0	0	0	0	4	4
62	1	2	4	0	0	0	0	0	0	TRACE	TRACE	1	4
63	2	2	TRACE	0	0	0	0	0	0	0	0	4	10
64	10	5	4	0	0	0	0	0	0	0	0	2	10
65	10	2	4	3	0	0	0	0	0	0	0	0	10
66	12	15	0	0	0	0	0	0	0	0	0	4	15
67	1	16	2	0	0	0	0	0	0	0	0	7	16
68	4	1	5	0	0	0	0	0	0	0	TRACE	4	5
69	1	7	14	0	0	0	0	0	0	0	0	TRACE	14
70	5	2	1	0	0	0	0	0	0	0	0	1	5
71	4	1	2	0	0	0	0	0	0	0	0	TRACE	4
72	4	3	0	1	0	0	0	0	0	TRACE	0	TRACE	4
73	0	1	0	0	0	0	0	0	0	0	0	1	1
74	3	8	TRACE	TRACE	0	0	0	0	0	0	0	0	
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

193955

**SNOW DEPTH**  
(FROM DAILY OBSERVATIONS)

14780	LAKEHURST, NEW JERSEY	45-47, 49-77
STATION	STATION NAME	YEARS

## DAILY SNOW DEPTH IN INCHES

[illegible]

NAVWEASERVCOM



**SNOW DEPTH**  
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
16780	LAKEHURST, NEW JERSEY	45-47, 49-77

DAILY SNOW DEPTH IN INCHES  
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

14780  
STATION

LAKEHURST, N.J.  
STATION NAME

1946-1977  
YEARS

JANUARY  
MONTH

FEBRUARY  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.70	43	1948	4.4	112	1971
2	0.64	16	1966	0.3	8	1948
3	1.38	35	1960	0.5	13	1968
4	0.54	14	1972	0.4	10	1968
5	0.62	16	1952	0.2	5	1972*
6	1.64	42	1962	3.6	91	1970
7	0.57	14	1976	5.5	140	1958
8	0.73	19	1953	2.3	58	1953
9	1.04	26	1953	3.3	84	1974
10	1.82	46	1977	9.9	251	1965
11	0.80	20	1954	8.0	203	1954
12	0.46	12	1963	2.5	63	1960
13	1.40	36	1960	9.6	244	1964
14	4.03	102	1958	0.7	18	1971
15	1.47	37	1961	3.2	81	1965
16	0.52	13	1954	4.0	102	1965
17	0.45	11	1952	2.6	66	1956
18	0.59	15	1975	0.5	13	1960
19	0.92	23	1961	9.2	234	1961
20	0.85	22	1947	4.8	122	1970
21	1.03	26	1949	0.5	13	1950
22	1.95	50	1958	1.5	38	1955
23	1.61	41	1966	4.4	112	1966
24	1.02	26	1965	1.3	33	1965
25	2.36	60	1958	0.5	13	1946
26	0.52	13	1952	3.4	86	1961
27	1.48	38	1973	2.3	58	1959
28	1.17	30	1960	3.1	79	1972
29	0.95	24	1973	1.0	25	1967
30	0.47	12	1966	4.7	119	1966
31	0.65	17	1949	4.8	122	1951
Monthly	4.03	102	1958	9.9	251	1965

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.45	11	1958	4.5	114	1958
2	1.78	45	1973	4.7	119	1955
3	1.18	30	1972	4.3	109	1961
4	0.68	17	1952	3.7	94	1948
5	0.48	12	1960	2.0	51	1975
6	1.04	26	1960*	2.1	53	1957
7	1.58	40	1971	8.0	203	1967
8	0.81	21	1974	8.3	211	1974
9	1.20	30	1969	7.0	178	1969
10	1.03	26	1957	6.0	152	1967
11	0.85	22	1956	4.5	114	1964
12	0.99	25	1963	1.5	38	1975
13	2.43	62	1966	3.0	76	1960
14	0.67	17	1960	2.0	51	1970*
15	1.67	42	1953	8.0	203	1958
16	1.28	33	1958	12.8	325	1958
17	1.13	29	1952	4.0	102	1945
18	1.82	46	1960	4.5	114	1967
19	1.50	38	1972	2.6	66	1964
20	0.73	19	1946	2.2	56	1947
21	1.59	40	1951	1.6	41	1947
22	0.90	23	1971	0.7	18	1950*
23	0.76	19	1961	3.4	86	1972
24	1.06	27	1977	5.0	127	1966
25	1.14	29	1960	4.6	117	1974
26	0.79	20	1957	1	1	1974*
27	1.51	38	1958	0.7	18	1967
28	0.98	25	1958	9.6	244	1949
29	0.63	16	1968	2.0	51	1968
30						
31						
Monthly	2.43	62	1966	12.8	325	1958

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

14780  
STATION

LAKEHURST, N.J.  
STATION NAME

YEARS

1945-1977

# DAILY EXTREME AMOUNTS

MARCH  
MONTH

APRIL  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.96	24	1957	7.0	178	1952
2	1.10	28	1969	11.0	279	1969
3	1.24	31	1960	12.4	315	1960
4	0.85	22	1952	6.7	170	1960
5	1.51	38	1965	2.2	56	1967
6	1.45	37	1959	8.0	203	1962
7	1.64	42	1967	5.0	127	1969
8	1.61	41	1961	5.0	127	1953
9	0.60	15	1976	1.5	38	1962
10	0.36	9	1959	1.6	41	1960
11	1.72	44	1952	1.5	38	1949
12	2.03	52	1962	2.2	56	1964
13	1.94	49	1953	2.3	58	1956
14	1.38	35	1961	6.0	168	1958
15	1.08	27	1953	T	T	1975*
16	0.89	23	1974	5.5	140	1956
17	1.33	34	1960	2.5	63	1965
18	1.05	27	1968*	5.0	127	1956
19	1.12	28	1961	8.5	216	1956
20	1.52	39	1958	18.0	457	1958
21	1.21	31	1974	2.9	74	1958
22	1.66	42	1977	2.1	53	1964
23	1.89	48	1961	2.5	63	1971
24	0.77	20	1953	1.2	30	1956
25	0.73	19	1969	1.0	25	1965
26	1.70	43	1973	0.3	8	1960
27	0.92	23	1959	1.3	33	1959
28	0.63	16	1964	0.2	5	1959
29	0.98	25	1970	0.9	23	1970
30	2.24	57	1951	T	T	1969*
31	1.22	31	1960	0.1	3	1956
Monthly	2.24	57	1951	18.0	457	1958

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.45	37	1948	T	T	1970*
2	2.05	52	1970	3.0	76	1965
3	0.94	24	1975	T	T	1975
4	1.04	26	1973	T	T	1975*
5	0.84	21	1957	T	T	1954
6	1.32	34	1971	1.1	28	1971
7	1.42	36	1956	1.0	25	1956
8	0.97	25	1973	2.9	74	1956
9	1.12	28	1974	T	T	1974*
10	0.96	24	1953	0.3	8	1974
11	0.64	16	1958	T	T	1973
12	0.76	19	1955	1.6	41	1959
13	1.98	50	1961	T	T	1966*
14	1.87	47	1970	T	T	1953*
15	1.11	28	1970			
16	1.05	27	1972	T	T	1962
17	1.35	34	1954			
18	0.75	19	1953			
19	0.41	10	1953			
20	0.77	20	1970	T	T	1953
21	0.20	5	1945			
22	0.96	24	1969	T	T	1972
23	1.86	47	1954			
24	1.24	31	1968	T	T	1956
25	1.09	28	1975			
26	0.84	21	1973			
27	2.52	64	1952	T	T	1967
28	1.19	30	1958			
29	0.93	24	1964			
30	0.73	19	1963			
31						
Monthly	2.52	64	1952	3.0	76	1965

\* ALSO ON EARLIER YEARS  
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE  
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

14780  
STATION

LAKEHURST, N.J.  
STATION NAME

1945-1977

YEARS

MAY

MONTH

JUNE

MONTH

# DAILY EXTREME AMOUNTS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.06	27	1947	T	T	1963
2	0.46	12	1962			
3	0.83	21	1945			
4	1.29	33	1975			
5	0.89	23	1958			
6	0.53	13	1956			
7	1.34	34	1967			
8	1.72	44	1954			
9	0.95	24	1972			
10	0.89	23	1945			
11	1.25	32	1952			
12	0.59	15	1960*			
13	1.83	46	1959			
14	1.15	29	1946			
15	0.75	19	1953			
16	2.27	58	1971			
17	0.63	16	1946			
18	0.49	12	1963			
19	0.92	23	1966			
20	1.03	26	1969			
21	1.66	42	1954			
22	1.31	33	1947			
23	0.79	20	1951			
24	1.00	25	1962			
25	1.78	45	1958			
26	1.51	38	1961			
27	0.69	18	1946			
28	1.01	26	1968			
29	4.63	118	1968			
30	0.69	18	1952			
31	1.16	29	1952			
Monthly	4.63	118	1968	T	T	1963

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.81	21	1946			
2	0.99	25	1956			
3	0.48	12	1963			
4	0.95	24	1950			
5	0.70	18	1975			
6	0.62	16	1975			
7	0.56	14	1947			
8	0.99	25	1946			
9	1.16	29	1977			
10	0.43	11	1951			
11	0.95	24	1946			
12	5.00	127	1968			
13	1.43	36	1953			
14	1.12	28	1969			
15	1.55	39	1960			
16	0.43	11	1972			
17	0.29	7	1972			
18	1.10	28	1972			
19	1.35	34	1967			
20	0.82	21	1968			
21	1.20	30	1970			
22	2.23	57	1953			
23	1.06	27	1974			
24	3.03	77	1957			
25	0.77	20	1955			
26	1.13	29	1962			
27	0.86	22	1968			
28	1.83	46	1966			
29	0.44	11	1972			
30	1.79	45	1973			
31						
Monthly	5.00	127	1968			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

# DAILY EXTREME AMOUNTS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

1945-1977

LAKEHURST, N.J.

14780

STATION NAME

STATION

YEARS

AUGUST  
MONTH

JULY  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.91	74	1977			
2	0.73	19	1973			
3	2.87	73	1967			
4	0.68	17	1975			
5	0.96	24	1959			
6	3.76	96	1952			
7	1.33	34	1946			
8	0.89	23	1952			
9	3.21	82	1976			
10	1.93	49	1952			
11	1.02	26	1971			
12	3.81	97	1953			
13	2.71	69	1953			
14	2.19	56	1953			
15	1.85	47	1970			
16	1.64	42	1952			
17	1.61	41	1947			
18	0.53	13	1972			
19	3.21	82	1946			
20	1.88	48	1948			
21	1.12	28	1954			
22	2.61	66	1968			
23	1.67	42	1961			
24	1.15	29	1977			
25	3.31	84	1958			
26	1.09	28	1972			
27	3.67	93	1971			
28	2.09	53	1962			
29	1.09	28	1949			
30	1.00	25	1952			
31	2.46	62	1949			
Monthly	3.81	97	1953			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.80	20	1948			
2	0.95	24	1946			
3	0.62	16	1969			
4	1.22	31	1966			
5	1.51	38	1956			
6	1.42	36	1958			
7	0.65	17	1947			
8	3.97	101	1964			
9	1.58	40	1964			
10	2.41	61	1959			
11	1.63	41	1965			
12	4.09	104	1977			
13	1.25	32	1975			
14	1.43	36	1960			
15	1.54	39	1959			
16	0.72	18	1951			
17	0.87	22	1945			
18	1.08	27	1962			
19	1.38	35	1968			
20	0.48	12	1969			
21	3.05	77	1956			
22	0.73	19	1958			
23	4.22	107	1953			
24	0.85	22	1974			
25	0.56	14	1954			
26	0.15	4	1963			
27	0.88	22	1958			
28	2.87	73	1969			
29	2.60	66	1969			
30	1.13	29	1960			
31	1.66	42	1959			
Monthly	4.22	107	1953			

\* ALSO ON EARLIER YEARS  
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE  
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

14780  
STATION

LAKEHURST, N.J.  
STATION NAME

SEPTEMBER  
MONTH

YEARS

1945-1977

OCTOBER  
MONTH

# DAILY EXTREME AMOUNTS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.99	25	1952			
2	1.72	44	1956			
3	2.25	57	1969			
4	0.51	13	1969			
5	0.38	10	1977			
6	1.26	32	1973			
7	0.86	22	1974			
8	0.99	25	1948			
9	0.17	4	1970			
10	1.50	38	1954			
11	4.88	124	1954			
12	4.68	119	1960			
13	2.84	72	1950			
14	2.48	63	1966			
15	0.27	7	1956			
16	1.06	27	1963			
17	2.04	52	1977			
18	1.00	25	1945			
19	0.77	20	1952			
20	1.57	40	1977			
21	3.62	92	1966			
22	0.54	14	1947			
23	2.09	53	1975			
24	1.31	33	1977			
25	0.84	21	1975			
26	0.99	25	1975			
27	3.14	80	1958			
28	1.30	33	1964			
29	1.51	38	1964			
30	0.99	25	1946			
31	4.88	124	1954			
Monthly						

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.16	29	1958			
2	1.23	31	1961			
3	1.36	35	1961			
4	0.28	7	1962			
5	1.52	39	1962			
6	1.14	29	1956			
7	2.85	72	1951			
8	0.58	15	1969			
9	1.42	36	1976			
10	1.28	33	1971			
11	1.21	31	1951			
12	0.44	11	1950			
13	0.06	2	1974			
14	2.79	71	1955			
15	1.17	30	1955			
16	1.39	35	1974			
17	1.57	40	1964			
18	1.68	43	1956			
19	2.96	75	1966	T	T	1972
20	2.00	51	1976	T	T	1952
21	0.66	17	1969			
22	1.87	47	1958			
23	1.82	46	1950			
24	2.13	54	1959	T	T	1960
25	2.36	60	1958			
26	1.81	46	1971	T	T	1962
27	0.44	11	1977	0.1	3	1957
28	1.41	36	1972	T	T	1965*
29	4.39	112	1973	T	T	1952
30	1.11	28	1955			
31	1.66	42	1956			
Monthly	4.39	112	1973	0.1	3	1957

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

14780

LAKEHURST, N.C.J.

STATION

STATION NAME

YEARS

1945-1977

## DAILY EXTREME AMOUNTS

24 DAILY AMOUNTS MAR 1978

NOVEMBER

MONTH

DECEMBER

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.00	25	1951			
2	1.39	35	1954	T	T	1963
3	1.34	34	1951	0.1	3	1951
4	2.26	57	1947			
5	0.76	19	1969	T	T	1955
6	1.16	30	1963*	4.8	122	1953
7	4.13	105	1977			
8	2.16	55	1972			
9	0.50	13	1969			
10	1.29	33	1962	T	T	1971
11	0.42	11	1947			
12	2.16	55	1968	T	T	1968
13	0.60	15	1970	T	T	1968
14	2.05	52	1972	T	T	1975
15	0.76	19	1970	T	T	1972*
16	1.39	35	1974	T	T	1973
17	1.05	27	1956			
18	0.96	24	1968	T	T	1962*
19	0.89	23	1945	5.1	130	1955
20	1.40	36	1961	T	T	1968*
21	0.92	23	1952	T	T	1950
22	1.37	35	1945	T	T	1971*
23	1.24	31	1953	0.2	5	1957
24	2.19	56	1959	T	T	1971
25	1.69	43	1971	T	T	1971*
26	0.78	20	1951	T	T	1957*
27	0.67	17	1971	T	T	1949
28	2.15	55	1945	0.5	13	1950
29	2.08	53	1963	0.2	5	1959
30	1.19	30	1972	7.0	178	1967
31						
Monthly	4.13	105	1977	7.0	178	1967

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.99	25	1977	T	T	1969*
2	0.62	16	1974	0.6	15	1952
3	1.39	35	1967	1.5	38	1957
4	1.33	34	1964	3.8	97	1957
5	1.22	31	1977	T	T	1968*
6	1.20	30	1959	T	T	1970*
7	1.31	33	1976	0.2	5	1959
8	1.20	30	1974	0.6	15	1975
9	1.42	36	1973	1.3	33	1961
10	1.12	28	1969	1.9	48	1945
11	0.78	20	1960	7.8	198	1960
12	1.55	39	1964	7.9	201	1960
13	0.76	19	1965	0.1	3	1945
14	1.86	47	1953	4.6	117	1951
15	0.69	18	1948	4.0	102	1968
16	2.88	73	1974	0.4	10	1951
17	1.37	35	1970	0.6	15	1973
18	1.05	27	1961	0.5	13	1946
19	0.78	20	1948	7.8	198	1948
20	1.71	43	1957	2.0	51	1964
21	1.84	47	1952	2.0	51	1962
22	1.18	30	1909	3.0	76	1959
23	0.77	20	1963	7.2	183	1963
24	0.40	10	1966	4.0	102	1966
25	1.11	28	1945	1.4	36	1969
26	3.00	76	1957	17.0	432	1947
27	0.60	15	1964	0.3	8	1970
28	2.05	52	1959	0.1	3	1966
29	0.91	23	1966	2.3	58	1960
30	0.99	25	1948	0.4	10	1960
31	0.57	14	1948	2.6	66	1967
Monthly	3.00	76	1957	17.0	432	1947

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS



## PART C

## SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.



## EXTREME VALUES

SURFACE WINDS  
(FROM DAILY OBSERVATIONS)
 14780 STATION LAKEHURST, NEW JERSEY 45-77 YEARS  
 STATION NAME

## DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
43	SSW 46WSW 60NW	SSW 46WSW 60NW	60WSW 60SSW 37NW	55SW 34ENE	43WSW 44ENE 37W	42							
46	WNW 63SW 51W	WNW 63SW 51W	52SSW 46W 37S	32NE 28W	38SW 47WSW 45WNW 51								
47	WNW 51WNW 51W	WNW 51WNW 51W	62WSW 50NE 46	42WSW 32NNE 33	35NNE 38SW 41								
48	WNW 41SW 58ENE 52W	WNW 41SW 58ENE 52W	39SW 62WSW 48NNW 31	61WNW 44	ENE 44WNW 32								
49	WNW 44	WNW 45W 52W	39W 30WSW 42NNW 61WNW 44	WNW 44W 39									
50	W 44NW 46W 52SW	W 44NW 46W 52SW	43WNW 36W 45NE 25W 27W	37E 71WSW 44									
51	WSW 52W 48ENE 51SW 50W	WSW 52W 48ENE 51SW 50W	38W 38W 49W 30WNW 32W	46W 47NNW 48									
52	W 43WNW 50SSE 53WSW	W 43WNW 50SSE 53WSW	55NW 48SSE 30SW 40SE 50W	39E 49SE 41									
53	S 45WSW 52WNW 48WSW	S 45WSW 52WNW 48WSW	46NW 40ENE 29WSW 32WNW 32NNE 53W	46									
54	W 40SE 46WNW 46NW	W 40SE 46WNW 46NW	36W 37NW 44WNW 54NW	50SSE 75WSW 61SSE 47									
55	WNW 43W 42W 61WNW	WNW 43W 42W 61WNW	39WSW 37NSW 59SW	35ENE 52NW 29WNW 53WNW	47WSW 34								
56	NNE 50SSW 63W 44SW	NNE 50SSW 63W 44SW	36SW 34W 28SW	30SW 42WSW 34WNW	44WNW 36								
57	WSW 50WSW 35WNW 39NNW	WSW 50WSW 35WNW 39NNW	38WSW 32NSW 44W 28SSW	22WSW 26NNE 43S	49SSE 34								
58	NE 58NE 54NNE 44SE	NE 58NE 54NNE 44SE	53WSW 42WSW 46WNW 37SW	37WSW 36WNW 41SSW	50WSW 47								
59	W 51W 51SE 56SE	W 51W 51SE 56SE	40WSW 40WNW 42WSW 35WSW	33SSW 26SE	40WSW 36SW 40								
60	S 39NE 52NE 38W	S 39NE 52NE 38W	48WNW 31W 39NE 37W	28W 51W 37W	34NNE 36								
61	NNE 32ENE 49E 40ENE	NNE 32ENE 49E 40ENE	48W 34W 50W 23W	22NNW 37W	33NNW 35W 46								
62	S 38W 32NE 54W	S 38W 32NE 54W	38WSW 46SE 28WNW 29NW	37W 28WSW 45NNW 48									
63	WSW 41NE 42W 44NW	WSW 41NE 42W 44NW	48NW 39NW 28NW 28W	32SSW 32NW 34ENE 48SSE 34									
64	NE 43WNW 38NW 42W	NE 43WNW 38NW 42W	38WNW 37NW 39SE 24W	24WNW 29ENE 30NW 40									
65	NW 38SW 45WNW 33W	NW 38SW 45WNW 33W	43WNW 32SW 31NNW 31NW	29SSW 30SE 38NNW 44E 31									
66	W 44S 45W 44NNW	W 44S 45W 44NNW	28W 33NNW 30NNW 43NNW	31E 32NW 32SE 35SSE 37									
67	W 41W 49NNW 35WNW	W 41W 49NNW 35WNW	40ENE 40WNW 33SSW 31SW	38E 35S 35NW 37W 38									
68	NW 45WNW 47NW 50W	NW 45WNW 47NW 50W	42E 39NNW 40	WSW 25SE 27NW	26ESE 55NW 42								
69	NW 40WNW 43NW 33SW	NW 40WNW 43NW 33SW	36SW 34NW 35NW 32W	26NW 24W 39W	35NNW 46								
70	NNW 31S 50S 35W	NNW 31S 50S 35W	49WNW 30W 33SSW 33NE	42NW 39NW 31NW 33W	40								
71	W 4818 3627 5402	W 4818 3627 5402	4026 3326 2734	2729 4115 2303	3008 4031 38								
72	03 5118 3930	03 5118 3930	29 26 3127	2723 2229 2402	3122 3628 38								
73	28 3315 4124	28 3315 4124	4330 3629 3029	2828 3115 2009	3228 41								
74	28 5028 4428	28 5028 4428	4029 5306 3025	39 29 4029	2619 3006 54								
MEAN													
S. D.													
TOTAL OBS.													

## EXTREME VALUES

**SURFACE WINDS**  
**FROM DAILY OBSERVATIONS**

STATION	STATION NAME	YEARS
16780	LAKEHURST, NEW JERSEY	45-77

DAILY PEAK GUSTS IN KNOTS

[illegible]

**SURFACE WINDS**  
(FROM DAILY OBSERVATIONS)

**STATION**  
**14780**

**LAKEHURST, NEW JERSEY**

45-77

YEARS

DAILY PEAK GUSTS IN KNOTS  
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

[illegible]



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.2	2.2									5.4	5.4
NNE	2.2	1.1										3.2	3.3
NE	1.1											1.1	1.0
ENE													
E	1.1	1.1										2.2	3.0
ESE	1.1	1.1	1.1									3.2	5.7
SE			1.1									1.1	10.0
SSE	4.3		1.1									5.4	3.8
S	1.1			1.1								2.2	7.0
SSW	1.1	1.1	1.1									3.2	5.0
SW	6.5	1.1	1.1									8.6	3.5
WSW		4.3	2.2									6.5	5.8
W	3.2	2.2	5.4	1.1								11.8	6.5
WNW	2.2	2.2	3.2	4.3								11.8	8.1
NW	1.1	2.2	2.2			1.1						6.5	8.5
NNW			2.2									2.2	7.5
VARBL													
CALM												25.8	
	25.8	18.3	22.6	6.5		1.1						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

93

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.1	1.1									4.3	4.0
NNE	2.2											2.2	2.5
NE	1.1	1.1	1.1									3.2	4.0
ENE	2.2											2.2	2.5
E	3.2											3.2	2.3
ESE		1.1		1.1								2.2	11.0
SE	1.1	2.2	1.1									4.3	5.0
SSE	1.1											1.1	3.0
S		1.1										1.1	5.0
SSW		1.1	2.2									3.2	7.3
SW	3.2											3.2	2.7
WSW	3.2	2.2	1.1									6.3	3.8
W	4.3	6.3	3.2	2.2								16.1	5.9
WNW	1.1	2.2	3.2	1.1								7.5	6.9
NW	2.2		1.1	3.2								6.3	9.2
NNW	2.2	2.2	1.1									5.4	4.8
VARBL													
CALM												28.0	
	29.0	20.4	15.1	7.5								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

93

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.6									3.2	4.2
NNE	1.9	1.3										3.2	3.6
NE	.6	.6	.6									1.9	5.0
ENE	1.9											1.9	2.3
E	.6	1.3										1.9	4.7
ESE	.6	2.6										3.2	4.0
SE	.6											.6	3.0
SSE	.6	1.3	.6									2.6	5.3
S			.6									.6	9.0
SSW		.6	.6									1.3	7.5
SW	3.2	1.9	.6									5.8	3.6
WSW	2.6	.6	1.9	.6	1.3							7.1	8.2
W	2.6	5.2	6.5	4.5	1.9							20.6	8.7
WNW	2.6	2.6	3.2	.6								9.0	5.5
NW	1.3	2.6	2.6	.6								7.1	5.8
NNW	1.9	1.3	.6	.6								4.3	5.1
VARBL													
CALM												25.2	
	22.6	23.2	18.7	7.1	3.2							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY

STATION NAME

73-77

YEARS

JAN

MONTH

10

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.9										5.2	4.0
NNE	.6	1.3	1.3									3.2	4.8
NE	1.3	1.9										3.2	3.6
ENE		1.9	.6									2.6	5.8
E	1.3	.6	.6									2.6	4.5
ESE	1.3	.6										1.9	4.0
SE	.6	.6										1.3	3.5
SSE		.6	1.9	.6								3.2	7.8
S	1.3	1.9	1.9									3.2	6.6
SSW		1.3	2.6	.6								1.9	8.7
SW	1.3	1.9	2.6	.6								6.5	6.3
WSW		.6	1.9		.6							3.2	9.2
W		4.5	8.4	7.1	5.8							25.8	11.8
WNW	.6	5.2	.6	6.5		.6						13.5	9.7
NW	.6	3.2	1.3	2.6								7.7	8.4
NNW	.6	1.3	3.9	.6								6.5	7.4
VARBL												8.4	
CALM												100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

JAN  
MONTH

13  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	3.2	2.6									6.5	5.7
NNE	.6											.6	3.0
NE	1.3	1.3	.6									3.2	4.4
ENE	.6	.6	.6									1.9	5.0
E	1.3	.6	.6									2.6	4.5
ESE	.6	.6	.6									1.9	5.7
SE	.6	.6	1.3									1.9	7.0
SSE	.6	.6	1.3	.6	.6							3.2	10.6
S	.6	1.3	.6	1.3	.6	.6						4.5	10.0
SSW			1.9	.6								2.6	10.5
SW			1.9									1.9	7.7
WSW	.6	1.9	3.2	1.9	.6							8.4	8.6
W	1.3	1.9	8.4	9.0	3.9	1.9						26.5	12.1
WNW	.6	.6	3.2	10.3	1.3							16.1	12.0
NW	1.9	.6	3.2	2.6	.6							9.0	9.0
NNW	1.3		1.3	.6								3.2	6.0
VARB													
CALM												5.3	
	11.6	14.2	31.6	27.1	7.1	2.6						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.6									3.2	4.2
NNE	1.9		.6									2.6	3.5
NE	.6	.6	.6									1.9	3.3
ENE	.6	1.9										2.6	4.0
E	.6	2.6										3.2	4.4
ESE	.6	1.3										1.9	4.7
SE		1.3	.6	.6								2.6	8.0
SSE	1.3	.6	1.3	.6								3.9	7.0
S	1.3	1.3	.6	1.3								4.3	7.6
SSW	.6	1.3	.6	.6								3.2	6.8
SW	.6	.6	1.9		.6							3.9	8.2
WSW	.6	3.9	3.9	3.2	.6							12.3	8.7
W	2.6	1.9	9.7	5.2	2.6							21.9	10.3
WNW	1.3	3.2	6.5	3.2	.6							14.8	9.2
NW	.6	2.6	5.8	1.3								10.3	7.8
NNW	.6	1.3	2.6									4.3	6.4
VARBL													
CALM												2.6	
	15.5	25.8	35.5	16.1	4.5							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

19  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	.6									1.3	7.5
NNE	1.3	1.9										3.2	4.4
NE	.6											.6	2.0
ENE	1.3	.6	.6									2.6	4.5
E	3.2	.6										3.9	2.5
ESE	1.9											1.9	2.0
SE		.6										.6	5.0
SSE	1.9	1.3		.6								3.9	5.3
S	1.3	.6		.6								2.6	5.5
SSW	3.2	1.3	1.3	1.3								7.1	6.2
SW	1.9	.6	.6	1.3								4.5	6.9
WSW	1.9	1.9	.6	.6								5.2	5.8
W	1.9	5.2	4.5	3.9	.6	.6						16.8	8.4
WNW	1.3	2.6	2.6	2.6	.6							9.7	8.5
NW	2.6	2.6	.6									5.8	4.0
NNW	.6	1.9	1.3									3.9	5.3
VARBL													
CALM												26.5	
	25.2	22.6	12.9	11.0	1.3	.6						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6 .6	.6										3.2	2.6
NNE	.6	1.3										1.9	4.0
NE	.6	.6										1.3	4.0
ENE	1.9	.6	.6									3.2	4.4
E	.6	1.9	.6									3.2	4.8
ESE		.6										.6	6.0
SE	.6											.6	3.0
SSE	2.6		.6									3.2	3.4
S	3.2	.6	.6	1.3								5.2	5.6
SSW	1.3	1.3										2.6	3.5
SW	1.3	1.3										2.6	3.5
WSW	1.3	1.3	2.6	.6								5.8	7.6
W	2.6	5.2	3.2	3.9	1.3							16.1	8.4
WNW	2.6	.6	7.1	2.6		.6						13.5	8.7
NW	4.5	1.3	1.9	1.3								9.0	6.6
NNW		1.3	2.6									3.9	7.3
VARB													
CALM												23.9	
	26.5	18.1	20.0	8.4	2.6	.6						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.8	.9									3.9	4.6
NNE	1.3	.9	.3									2.5	3.9
NE	.9	.8	.4									2.1	4.1
ENE	1.1	.8	.4									2.2	4.2
E	1.4	1.2	.3									2.9	3.9
ESE	.8	1.0	.2	.1								2.1	5.0
SE	.4	.6	.4	.1								1.5	5.9
SSE	1.3	.6	.9	.4	.1							3.3	6.1
S	1.2	.5	.6	.7		.1						3.1	7.2
SSW	.8	1.0	.9	.4								3.1	6.7
SW	2.0	1.0	1.2	.3	.1							4.5	5.3
WSW	1.3	2.0	2.2	1.0	.4							6.9	7.6
W	2.2	4.0	6.4	4.9	2.2	.4						20.1	9.8
WNW	1.5	2.4	3.8	4.0	.4	.2						12.3	9.0
NW	1.9	2.0	2.4	1.3	.3	.1						7.9	7.4
NNW	.9	1.2	2.0	.3								4.3	6.3
VARBL												17.3	
CALM												100.0	6.1
	20.2	21.6	23.1	13.4	3.5	.7							

TOTAL NUMBER OF OBSERVATIONS

1116



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75  
YEARS

FEB  
MONTH

01  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.6	1.2									7.1	4.3
NNE	1.2	1.2	1.2									3.6	5.7
NE	1.2	2.4	2.4									6.0	6.0
ENE		3.6										3.6	5.0
E													
ESE	1.2		2.4									3.6	6.0
SE	2.4		1.2									3.6	3.7
SSE		1.2										1.2	4.0
S	1.2	1.2										2.4	3.0
SSW	1.2		1.2									2.4	4.5
SW	2.4	2.4	1.2									6.0	4.0
WSW	1.2		1.2									2.4	5.0
W	3.6	2.4		1.2	1.2							8.3	6.1
WNW	1.2	3.6	2.4	1.2	1.2							9.5	8.0
NW	3.6		6.0									9.5	6.4
NNW	3.6	4.8		1.2								9.5	4.6
VARBL													
CALM												21.4	
	26.2	26.2	20.2	3.6	2.4							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

84

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY

STATION NAME

73-75

YEARS

FEB

MONTH

04

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6 2.4	2.4 1.2	1.2									7.1	4.0
NNE	4.8 1.2	1.2	1.2									7.1	3.7
NE			1.2									1.2	10.0
ENE	1.2		6.0									7.1	7.0
E	1.2	1.2										2.4	4.0
ESE		1.2	1.2									2.4	7.0
SE													
SSE													
S	2.4 2.4		1.2 2.4									3.6	5.0
SSW		1.2 2.4										6.0	5.0
SW												2.4	5.5
WSW	1.2 2.4	3.6 3.6		1.2 1.2								6.0	5.6
W			2.4 1.2			1.2						9.5	6.3
WNW	3.6 6.0	6.0 1.2	1.2									11.9	6.5
NW		1.2 3.6	3.6	2.4								13.1	5.9
NNW		1.2										1.2	4.0
VARBL													
CALM												19.0	
	28.6	25.0	21.4	4.8		1.2						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

84

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.1	.7									3.3	4.8
NNE	.7	2.1										2.8	4.3
NE		1.4	1.4									2.8	6.8
ENE		.7	3.5									4.3	7.2
E	.7	1.4	1.4									3.3	6.0
ESE	.7		.7									.7	9.0
SE	.7											.7	2.0
SSE	2.8											2.8	2.3
S	2.1	1.4		.7								4.3	5.0
SSW	2.1	1.4	1.4									5.0	4.7
SW	1.4		2.1		.7							4.3	8.8
WSW	2.1	2.1	.7	.7								5.7	5.5
W	2.8	1.4	5.7	5.0				.7				15.6	9.5
WNW	2.8	2.1	3.5	.7		.7						9.9	7.2
NW	2.1	1.4	2.1	1.4								7.1	6.0
NNW	2.1		1.4									3.3	5.0
VARBL													
CALM												23.4	
	23.4	17.7	24.8	8.5	.7	.7		.7				100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

141



2

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.8	2.1									6.4	5.8
NNE	1.4	1.4										2.8	3.5
NE	1.4	.7	2.1									4.3	5.5
ENE	.7	.7	2.1									3.5	7.2
E	1.4	1.4	1.4									4.3	5.8
ESE	.7	.7	1.4	.7								2.8	8.5
SE	.7											.7	2.0
SSE			1.4									1.4	7.0
S		.7	1.4	.7	.7							3.5	11.6
SSW		1.4	2.1									3.5	7.6
SW		.7	2.8	1.4								5.0	9.7
WSW		1.4	.7	3.5	1.4							7.1	11.7
W		1.4	5.0	4.3	1.4		.7					12.8	12.6
WNW	1.4	1.4	2.8	7.8	1.4	.7	.7					16.3	12.7
NW		1.4	5.7	4.3	.7							12.1	9.9
NNW		1.4	2.1	1.4								5.0	8.6
VARBL													
CALM												8.5	
	8.5	17.7	33.3	24.1	5.7	.7	1.4					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

FEB  
MONTH

13  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.4	5.0									7.8	6.1
NNE		3.5	.7									4.3	5.3
NE	.7		1.4									2.1	6.0
ENE		2.1	3.5									5.7	6.8
E	.7	1.4	.7									2.8	4.5
ESE	.7	.7										1.4	4.0
SE	.7											.7	2.0
SSE		.7	1.4	1.4								3.5	10.8
S		.7		1.4	1.4							3.5	13.0
SSW		.7	2.8	.7								4.3	9.0
SW	.7		2.1	2.8								5.7	10.1
WSW		2.1	2.1	2.1	.7	.7						7.8	11.4
W	2.8	1.4	5.0	9.9	2.8	.7	.7					23.4	12.0
WNW	.7	1.4	2.8	9.9	.7	1.4						17.0	12.5
NW			4.3	2.1	.7	.7						7.8	12.3
NNW				1.4								1.4	12.0
VARBL													
CALM												.7	
	8.5	16.3	31.9	31.9	6.4	3.5	.7					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.4	.7									2.1	6.7
NNE	.7	1.4	2.1									4.3	6.0
NE	.7	2.1	1.4									3.5	6.4
ENE	.7	.7	.7	.7								2.1	8.3
E		2.1	1.4									3.5	5.8
ESE	.7	.7										1.4	4.0
SE	.7	2.8	2.1			.7						5.7	6.0
SSE			.7	.7	.7							2.1	15.3
S			.7	2.8	.7							4.3	12.7
SSW	.7	.7	1.4		.7							2.8	10.3
SW	.7	2.1	2.1	2.1	.7							5.7	9.1
WSW	.7	1.4	3.5	2.8	.7							9.2	9.2
W	.7	1.4	6.4	12.1	3.5							23.4	13.0
WNW	.7	1.4	3.5	3.5	1.4	.7						11.3	11.4
NW		2.8	5.0	2.1								9.9	8.5
NNW	1.4	.7	3.5	.7								6.4	8.2
VARBL													
CALM												2.1	
	6.4	19.9	35.5	27.7	7.1	1.4						100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

141



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY

73-77

STATION NAME

YEARS

FEB

MONTH

ALL WEATHER

CLASS

19

HOURE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.7										2.1	3.7
NNE	.7		.7									1.4	3.0
NE	2.1	1.4	.7									4.3	4.7
ENE	1.4	3.5	2.1									7.1	5.4
E		2.1										2.1	4.3
ESE	.7		.7									1.4	3.5
SE	1.4	1.4	.7	.7								4.3	6.3
SSE	1.4	1.4	.7									3.5	4.0
S	5.0	2.1	2.8									9.9	4.9
SSW	1.4	2.1	1.4	2.8								7.8	7.4
SW		2.8	1.4									4.3	5.7
WSW	2.1	.7										2.8	2.8
W	4.3	4.3	2.1	4.3	2.1							17.0	8.5
WNW	1.4	1.4	3.5	2.1								8.5	8.6
NW	2.8	2.8	1.4	.7								7.8	5.0
NNW	2.1	1.4	1.4	.7								5.7	5.8
VARL													
CALM												9.9	
	28.4	28.4	19.9	11.3	2.1							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.7									2.1	5.7
NNE	.7	.7	1.4									2.8	5.0
NE	2.8	2.8	2.1									7.8	5.2
ENE		2.1										2.1	4.0
E	.7	1.4										2.1	4.0
ESE	1.4	.7										2.1	3.7
SE	1.4											1.4	2.0
SSE	3.5	.7										4.3	2.5
S	2.1	2.8	1.4	.7								7.1	5.3
SSW	2.1	2.8	2.8	.7								8.5	5.8
SW	1.4	1.4	.7	.7								4.3	6.5
WSW	1.4	.7	.7									2.8	5.0
W	3.5	4.3	2.1	2.1	.7							12.8	7.2
WNW	2.8		3.5	3.5	.7							10.6	9.1
NW	.7	3.5	.7	.7								5.7	5.8
NNW	1.4	.7	2.8									5.0	6.1
VARB													
CALM												18.4	
	27.0	25.5	19.1	7.8	2.1							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.8	1.5									4.5	5.2
NNE	1.1	1.5	.9									3.5	4.8
NE	1.1	1.4	1.6									4.0	5.7
ENE	.5	1.6	2.2	.1								4.3	6.4
E	.6	1.3	.7									2.8	5.2
ESE	.6	.5	.7	.1								1.9	5.9
SE	1.0	.6	.5	.1								2.2	4.9
SSE	1.1	.5	.6	.3		.1						2.6	6.3
S	1.6	1.2	1.0	.9	.4							5.0	7.3
SSW	1.1	1.4	2.0	.6	.1							5.1	6.7
SW	.8	1.2	1.7	.9	.2							4.7	7.9
WSW	1.1	1.5	1.2	1.4	.4	.1						5.6	8.3
W	2.4	2.5	3.8	5.4	1.6	.1	.2	.1				16.1	10.3
WNW	1.8	1.9	3.1	3.9	.7	.6	.1					12.0	10.2
NW	1.6	1.8	3.5	1.8	.2	.1						8.9	7.8
NNW	1.3	1.1	1.6	.7								4.6	6.7
VARBL													
CALM												12.1	
	18.7	21.7	26.3	16.2	3.6	1.0	.3	.1				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

1014



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY

73-75

YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1	1.1									2.2	6.0
NNE	2.2	1.1	1.1									4.3	4.3
NE	2.2	2.2	1.1									5.4	4.2
ENE	3.2		2.2	1.1								6.5	6.7
E			1.1									1.1	9.0
ESE	2.2											2.2	2.0
SE		2.2										2.2	4.0
SSE	3.2											3.2	2.0
S	1.1											1.1	2.0
SSW	2.2		1.1									3.2	5.0
SW	2.2	1.1	1.1	1.1								5.4	6.8
WSW			1.1	2.2								1.1	10.0
W			2.2									4.3	10.5
WNW	1.1	1.1	2.2			1.1						5.4	9.4
NW	2.2	3.2	5.4	3.2	1.1							15.1	8.9
NNW	1.1		5.4	1.1								7.5	8.4
VARBL													
CALM												30.1	
	22.6	11.8	24.7	8.6	1.1	1.1						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

93

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	1.1									3.2	5.3
NNE	2.2	1.1	1.1									4.3	4.0
NE	2.2	3.2	2.2									7.5	5.3
ENE				1.1								1.1	15.0
E	2.2	1.1	1.1	1.1								5.4	6.8
ESE	1.1	1.1										2.2	3.5
SE		2.2										2.2	4.5
SSE		1.1	1.1									2.2	5.5
S			1.1									1.1	7.0
SSW	1.1		1.1									2.2	5.0
SW		1.1	2.2									3.2	6.3
WSW	1.1				2.2							3.2	13.7
W	2.2		1.1	1.1								4.3	6.8
WNW	3.2	1.1	4.3	2.2		1.1						11.8	9.1
NW		2.2	3.2	3.2	1.1							9.7	10.2
NNW	2.2	1.1	5.4									8.6	6.3
VARBL													
CALM												28.0	
	18.3	16.1	24.7	8.6	3.2	1.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

93

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.3	1.9									5.8	4.7
NNE	1.9	1.9										3.9	3.3
NE	.6	.6	2.6									3.9	6.8
ENE		.6	1.3	.6								2.6	7.8
E	1.3	1.9	3.9									7.1	6.5
ESE	.6	1.3	1.3									3.2	6.4
SE		1.9	1.3									3.2	6.6
SSE	.6	.6	1.3									2.6	6.0
S	2.6	1.3	.6									4.5	4.3
SSW	1.3		1.3									2.6	5.5
SW	3.2	.6	1.3	.6								5.8	5.3
WSW	1.9	.6	.6	.6	.6							3.9	7.2
W	1.3	1.3	.6	1.3								4.5	6.9
WNW	2.6	1.3	3.2	3.2		.6						11.0	8.6
NW		1.9	5.2	4.5		.6						12.3	10.6
NNW	3.2		.6									3.9	3.7
VARBL													
CALM												19.4	
	23.9	16.8	27.1	11.0	.6	1.3						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.9	.6									3.9	4.5
NNE	.6	.6	1.3	1.3								3.9	8.0
NE	1.3	3.2	1.9									6.5	5.8
ENE		1.3	3.9	.6								5.8	8.2
E	.6	1.3	3.2	1.3								6.5	8.6
ESE		.6	1.3	.6								2.6	8.3
SE	.6	.6	2.6	.6								4.5	6.9
SSE		1.3	1.3	.6								3.2	9.4
S	.6	.6	2.6	.6								4.5	7.9
SSW	.6		1.3	1.3								3.2	9.4
SW	.6	.6	2.6	1.3								5.2	8.6
WSW			1.3	1.9	.6							3.9	13.0
W	.6	.6	2.6	5.2	3.2							12.3	12.4
WNW	.6	1.3	3.2	3.9	1.9	1.3	.6					12.9	14.1
NW		.6	3.9	2.6	3.2							10.3	13.3
NNW		1.3	3.9	1.9								7.1	9.5
VARBL													
CALM												3.9	
	7.7	16.1	37.4	23.9	9.0	1.3	.6					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

13  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.6	.6	.6								3.2	6.8
NNE	.6	1.3	.6									2.6	5.5
NE	.6	1.3	1.9	.6								4.5	7.1
ENE	.6	1.9	1.9	.6	.6							5.8	8.8
E		.6	2.6	1.9								5.2	9.6
ESE		2.6	1.3									3.9	6.3
SE		1.3	2.6	1.9								5.8	9.3
SSE	.6		1.3	.6		.6						3.2	11.6
S		1.3	2.6		.6							4.5	9.4
SSW		.6	1.3	.6	.6							3.2	11.0
SW		1.3	1.9	1.3	.6							5.2	9.5
WSW		.6	1.9	3.9		.6						7.1	11.7
W	1.3	.6	6.5	5.2	.6	1.3	.6					16.1	12.0
WNW		2.6	1.3	5.2	2.6		.6					12.3	13.4
NW			2.6	6.5	1.9	.6						11.6	14.2
NNW			2.6	1.3								3.9	10.3
VARBL													
CALM												1.9	
	5.2	16.8	33.5	30.3	7.7	3.2	1.3					100.0	10.6

TOTAL NUMBER OF OBSERVATIONS

155

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION NAME LAKEHURST, NEW JERSEY YEARS 73-77 MONTH MAR  
CLASS ALL WEATHER HOUR (L.S.T.) 16

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	.6									2.6	4.8
NNE		.6	1.3									1.9	6.7
NE	1.3	.6	.6	.6								3.2	5.4
ENE		.6	4.5	1.3								6.5	10.1
E	1.3	3.2	.6	1.3								6.5	6.8
ESE	1.3	2.6										3.9	4.0
SE		.6	3.2									3.9	7.5
SSE	1.3	1.3	3.2	.6								6.5	7.2
S	1.3			2.6								3.9	10.5
SSW		1.3	1.9	1.9	.6							5.8	11.0
SW			1.9	1.9								3.9	10.2
WSW		.6	1.3	3.2								5.2	11.1
W		1.3	3.9	3.2	2.6							11.0	11.9
WNW	.6	.6	2.6	5.2	1.9	1.9	1.3					14.2	16.1
NW		.6	7.1	4.5	1.3	.6						14.2	11.9
NNW			1.3	3.9								5.2	11.8
VARBL													
CALM												1.9	
	7.7	15.5	34.2	30.3	6.5	2.6	1.3					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

MAR  
MONTH

19  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6		.6									1.3	4.5
NNE	.6		.6									1.3	5.5
NE		.6	1.3									1.9	8.3
ENE	.6	1.9	1.3	.6	.6							5.2	9.0
E	1.9	3.2	.6	1.3								7.1	5.9
ESE	1.3	3.2	.6									5.2	4.5
SE	1.9	2.6	.6									5.2	4.4
SSE	1.9	4.3		1.9								8.4	6.2
S	.6	5.2	2.6	.6								9.0	6.9
SSW	.6		.6	.6								1.9	7.0
SW	1.9	1.3	.6									3.9	4.7
WSW	1.3	.6	1.3	.6								3.9	7.2
W	3.2	1.3	1.9	3.2	.6		.6					11.0	9.8
WNW	1.9	.6	1.9	2.6	.6	1.3						9.0	11.5
NW	.6	1.9	.6	4.5								7.7	9.9
NNW		3.9	2.6		.6							7.1	7.6
VARBL													
CALM												11.0	
	19.4	31.0	18.1	16.1	2.6	1.3	.6					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.6	.6									5.2	4.4
NNE	.6		1.3									1.9	7.0
NE	.6	.6	3.9									5.2	7.4
ENE	1.3	1.9		.6								3.9	5.5
E	3.2	1.3	.6	.6								5.8	5.1
ESE	.6	1.9										2.6	4.3
SE	.6	1.3										1.9	4.0
SSE	3.2		1.3									4.5	4.4
S	3.2	3.2	1.9	.6								9.0	5.4
SSW	1.9	1.3	.6	1.3								5.2	6.0
SW		1.3	.6									1.9	6.0
WSW	1.3		1.3		.6							3.2	8.8
W	1.9	1.9	.6	1.9	.6	.6	.6					7.7	10.3
WNW	1.9	2.6	1.9	2.6	.6		.6					10.3	9.6
NW		3.2	2.6	2.6								8.4	8.5
NNW	1.3	.6	1.3	1.9								5.2	8.4
VARBL													
CALM												18.1	
	23.9	23.9	18.7	12.3	1.3	.6	1.3					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY

STATION NAME

73-77

YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.9	.1								3.5	5.0
NNE	1.0	.8	.9	.2								2.9	5.5
NE	1.0	1.4	2.0	.2								4.6	6.2
ENE	.6	1.2	2.0	.8	.2							4.7	8.4
E	1.3	1.7	1.8	1.0								5.8	7.0
ESE	.8	1.8	.6	.1								3.3	5.2
SE	.4	1.5	1.4	.4								3.8	6.5
SSE	1.3	1.2	1.3	.5		.1						4.4	6.7
S	1.3	1.6	1.5	.6	.1							5.1	6.9
SSW	.9	.4	1.2	.8	.2							3.5	8.1
SW	1.0	.9	1.5	.8	.1							4.3	7.4
WSW	.7	.3	1.2	1.4	.4	.1						4.1	10.4
W	1.3	1.0	2.5	3.0	1.0	.3	.3					9.4	10.9
WNW	1.4	1.4	2.5	3.3	1.1	.9	.4					11.1	12.1
NW	.3	1.6	3.8	4.0	1.1	.3						11.0	11.2
NNW	.9	.9	2.6	1.3	.1							5.8	8.3
VARBL													
CALM												12.6	
	15.6	19.0	27.6	18.6	4.2	1.6	.7					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

1116



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14780  
STATION

LAKEHURST, NEW JERSEY

73-75

YEARS

APR  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2		2.2									4.4	4.8
NNE		1.1										1.1	5.0
NE	1.1		1.1									2.2	6.5
ENE													
E		2.2	1.1									3.3	6.3
ESE	2.2											2.2	2.5
SE		1.1										1.1	6.0
SSE	1.1											1.1	3.0
S	3.3	3.3										6.7	3.5
SSW			2.2									2.2	7.0
SW	1.1	2.2	3.3									6.7	5.7
WSW	3.3	3.3	4.4	1.1								12.2	6.2
W	5.6	4.4		3.3								13.3	5.8
WNW			1.1	1.1		1.1						3.3	15.0
NW	5.6	3.3	2.2	4.4								15.6	6.9
NNW	2.2	1.1										3.3	3.7
VARBL													
CALM												21.1	
	27.8	22.2	17.8	10.0		1.1						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

90

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.1	1.1									4.4	4.3
NNE	2.2	1.1										3.3	3.0
NE	1.1		2.2									3.3	5.7
ENE													
E		2.2										2.2	4.0
ESE	1.1	1.1										2.2	4.0
SE		1.1		1.1								2.2	9.5
SSE			1.1									1.1	8.0
S	1.1	2.2										3.3	3.7
SSW		1.1	1.1									2.2	6.0
SW		1.1	3.3									4.4	6.8
WSW	2.2	4.4	3.3									10.0	5.3
W	4.4	2.2	1.1	3.3	1.1							12.2	7.5
WNW	3.3	1.1	2.2	1.1	1.1		1.1					8.9	8.1
NW		6.7	1.1	2.2	1.1							11.1	8.1
NNW	1.1			1.1								2.2	6.5
VARBL													
CALM												26.7	
	18.9	25.6	16.7	8.9	2.2		1.1					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

90

## SURFACE WINDS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780

LAKEHURST, NEW JERSEY

STATION NAME

73-77

YEARS

APR

MONTH

07

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.3		.7								4.0	4.8
NNE	.7	.7										1.3	3.5
NE	1.3	.7	1.3									3.3	6.4
ENE	.7	2.7										3.3	4.6
E	1.3	1.3	1.3									2.7	5.0
ESE	.7	1.3		.7								2.7	6.5
SE		1.3										1.3	5.0
SSE	.7	1.3										2.0	3.0
S	1.3	.7	.7	1.3								3.3	9.2
SSW	1.3	.7	1.3									3.3	6.0
SW	2.7	.7	.7	.7								4.0	4.8
WSW	1.3	4.0	5.3	2.0								12.7	6.9
W	3.3	3.3	2.7	2.0	.7							12.0	7.3
WNW	3.3	4.7	3.3	2.0		.7						14.0	7.2
NW	.7	2.7	4.0	4.0								11.3	9.2
NNW	2.0	1.3	2.0	.7								6.0	5.7
VARBL													
CALM												12.7	
	23.3	26.0	22.7	14.0	.7	.7						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	2.0									5.3	5.4
NNE	.7	.7	.7	.7								2.7	7.0
NE	.7		1.3	.7								2.7	8.8
ENE	2.0		2.0	.7								4.7	7.1
E	.7	.7	3.3	.7								5.3	7.6
ESE	.7	.7										1.3	3.0
SE		2.7	2.7									5.3	6.3
SSE		.7	.7									1.3	7.5
S	.7	1.3		1.3								3.3	7.2
SSW			1.3	.7								2.0	9.0
SW		.7	.7	2.0								3.3	10.4
WSW		2.0	2.0	4.0	1.3							9.3	10.9
W		3.3	6.7	7.3	.7	.7						18.7	10.5
WNW	1.3	2.7	3.3	2.7	.7							10.7	9.3
NW		3.3	3.3	5.3	2.7	.7						15.3	12.2
NNW	.7		4.0	2.7								7.3	9.7
VARBL													
CALM												1.3	
	8.0	21.3	34.0	28.7	5.3	1.3						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

2

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY

STATION NAME

73-77

YEARS

APR  
MONTH

ALL WEATHER  
CLASS

13  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.0	1.3									4.0	6.3
NNE		.7	.7									1.3	6.5
NE		.7	.7									1.3	7.0
ENE			2.0									2.0	8.0
E	.7		2.7	1.3								4.7	9.4
ESE	.7	.7	.7									2.0	5.0
SE		1.3	3.3									4.7	6.6
SSE		.7	2.7	.7								4.0	8.7
S		.7	.7	.7	.7							2.7	12.5
SSW		.7	.7	1.3								2.7	9.5
SW		2.7	3.3	1.3								7.3	8.7
WSW		.7	.7	6.7	1.3							8.7	13.6
W	.7	3.3	4.7	4.7	1.3	.7						15.3	10.5
WNW	.7	1.3	4.0	7.3	2.0	.7						16.0	11.9
NW			6.0	9.3	3.3	.7						19.3	13.2
NNW		1.3		.7	.7							2.7	9.5
VARBL													
CALM												1.3	
	3.3	16.0	34.0	34.0	9.3	2.0						100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY

73-77

YEARS

APR

MONTH

ALL WEATHER  
CLASS

16

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3		.7								2.7	5.8
NNE	.7	.7	.7									4.0	6.0
NE		.7										.7	6.0
ENE			1.3									1.3	7.5
E		2.0	2.0									4.0	7.0
ESE		.7	3.3									4.0	8.0
SE		2.0	4.0	.7								6.7	7.6
SSE		1.3	4.0	1.3								6.7	9.0
S		1.3	4.0	2.7								8.0	9.3
SSW			.7	2.0	.7							3.3	13.6
SW		.7	1.3	1.3	.7							4.0	11.8
WSW	.7		3.3	2.7								6.7	9.9
W	2.0	1.3	5.3	8.0	1.3							18.0	10.6
WNW	.7		3.3	5.3	1.3		.7					11.3	12.6
NW			3.3	6.0		2.0						13.3	13.8
NNW		2.0	2.7	2.7								7.3	9.3
VARBL													
CALM												.0	
	4.7	14.0	39.3	35.3	4.0	2.0	.7					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

19  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.7									2.0	5.3
NNE													
NE	1.3	2.0										3.3	4.0
ENE													
E			2.0									2.0	9.3
ESE		1.3	.7									2.0	5.0
SE		6.7	1.3									8.0	5.8
SSE	2.7	1.3										4.0	3.3
S	4.0	9.3	2.7									16.0	5.3
SSW		1.3	3.3	.7								5.3	7.6
SW	1.3	2.0										3.3	4.0
WSW	2.7	5.3	2.7									10.7	5.3
W	2.0	4.0	2.7	1.3								10.0	6.4
WNW	1.3	2.7	1.3	1.3		.7						7.3	8.5
NW	.7	3.3	2.0	.7	.7							7.3	7.8
NNW	2.7	6.0	2.0	1.3								12.0	5.7
VARBL													
CALM												6.7	
	19.3	46.0	21.3	5.3	.7	.7						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.0										2.7	4.0
NNE	.7	.7	1.3									2.7	6.3
NE	.7		.7									1.3	5.0
ENE		.7	.7									1.3	5.5
E	.7	.7	2.7									4.0	7.3
ESE	.7	2.7										3.3	5.4
SE	1.3	.7										2.0	3.7
SSE	.7	1.3										2.0	4.3
S	.7		2.0									2.7	7.0
SSW	4.0	3.3	1.3	.7								9.3	5.2
SW	2.7	4.0	4.7									11.3	5.4
WSW	2.7	2.7	.7									6.0	4.2
W	2.0	1.3	1.3	2.0								6.7	7.3
WNW	2.7			3.3		.7						6.7	10.1
NW	2.0	2.7	4.0	.7								9.3	6.4
NNW	4.0	2.7	1.3	.7								8.7	4.7
VARBL													
CALM												20.0	
	26.0	25.3	20.7	7.3		.7						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.3	.8	.2								3.6	5.2
NNE	.6	.6	.5	.1								1.8	5.5
NE	.7	.6	.8	.1								2.2	6.1
ENE	.4	.5	.8	.1								1.8	6.5
E	.5	.8	2.0	.3								3.6	7.4
ESE	.6	1.1	.6	.1								2.5	5.6
SE	.2	2.2	1.6	.2								4.2	6.4
SSE	.6	.9	1.1	.3								3.0	6.6
S	1.3	2.2	1.4	.8	.1							5.8	6.8
SSW	.7	.9	1.5	.7	.1							4.0	7.5
SW	1.0	1.7	2.0	.7	.1							5.6	7.0
WSW	1.5	2.6	2.7	2.2	.4							9.4	7.9
W	2.2	2.9	3.3	4.1	.6	.2						13.3	8.8
WNW	1.7	1.7	2.4	3.2	.6	.5	.2					10.2	10.0
NW	.9	2.5	3.4	4.4	1.0	.5						12.8	10.5
NNW	1.6	1.9	1.7	1.3	.1							6.6	6.8
VARBL													
CALM												9.8	
	15.6	24.6	26.8	18.9	3.0	1.1	.2					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

1080



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.2										4.3	4.0
NNE	1.1											1.1	2.0
NE	1.1											1.1	2.0
ENE	2.2	2.2	1.1	1.1								6.5	6.2
E	4.3	1.1										5.4	2.8
ESE	2.2	2.2										4.3	3.8
SE	1.1	3.2										4.3	4.3
SSE	2.2	1.1	1.1									4.3	4.0
S	2.2	2.2										4.3	3.8
SSW			2.2									2.2	8.0
SW	2.2	1.1										3.2	2.7
WSW	2.2	3.2	2.2									7.5	4.7
W	2.2	1.1	3.2									6.5	5.5
WNW	1.1		1.1									2.2	5.5
NW		2.2	1.1									3.2	5.3
NNW	3.2	3.2										6.5	3.8
VARBL													
CALM												33.3	
	28.0	25.8	11.8	1.1								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

93

AD-A067 683

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C  
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) LAKEHURS--ETC(U)  
JUL 78

F/G 4/2

UNCLASSIFIED

NL

2 of 4  
AD  
A0 67 683







NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2											3.2	1.3
NNE		1.1										1.1	5.0
NE	5.4	1.1										6.5	2.7
ENE	2.2	4.3		1.1								7.5	5.3
E	4.3											4.3	2.3
ESE	2.2	3.2										5.4	3.6
SE	2.2	1.1	1.1									4.3	4.5
SSE			1.1									1.1	9.0
S	2.2											2.2	2.5
SSW	1.1	1.1										2.2	4.0
SW	1.1	3.2	1.1									5.4	5.4
WSW	5.4	2.2	1.1									8.6	3.3
W	1.1	3.2	3.2									7.5	5.9
WNW		1.1										1.1	5.0
NW	2.2	1.1										3.2	3.7
NNW	3.2	1.1		1.1								5.4	4.8
VARB													
CALM												31.2	
	35.5	23.7	7.5	2.2								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

93

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	3.2										6.5	3.6
NNE	1.9	.6										2.6	2.8
NE	1.3	1.9	1.3									4.5	5.0
ENE	1.3	.6	3.9									5.8	6.4
E	.6	1.3	1.3	.6								3.9	6.7
ESE		2.6										2.6	4.8
SE	.6	1.3	2.6									4.5	6.4
SSE	.6	2.6	1.9									5.2	5.4
S	2.6	.6	.6									3.9	3.5
SSW	.6		1.9	.6								3.2	8.6
SW	1.3	.6	2.6	1.3								5.8	7.6
WSW	3.2		3.9									7.1	5.6
W	.6	5.2	7.1	3.2								16.1	8.0
WNW	1.9	1.9	1.9	.6								6.5	6.5
NW	1.9	1.3	2.6	1.3								7.1	6.5
NNW	1.3	.6	.6	1.3								3.9	7.2
VARBL													
CALM												11.0	
	23.2	24.5	32.3	9.0								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

MAY  
MONTH

722

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	1.3									3.2	5.8
NNE	1.3	.6	.6									2.6	4.5
NE	1.3	1.3	.6									3.2	5.0
ENE		1.3	4.5	1.3								7.1	7.8
E	1.3	2.6	2.6	1.9								8.4	7.7
ESE	.6	.6	.6									1.9	6.0
SE	.6	2.6	3.2									6.5	6.9
SSE		1.9	.6	1.3								3.9	8.3
S	.6	1.9	1.9	.6	.6							5.8	8.7
SSW		.6	1.3	.6								2.6	9.5
SW	.6		3.2	1.9								5.8	9.1
WSW			4.5	1.3								5.8	9.8
W	1.9	3.2	11.0	2.6	.6	.6						20.0	9.1
WNW	1.9	.6	2.6	1.9								7.1	8.0
NW	.6	1.3	3.9	3.9	.6							10.3	10.3
NNW			.6	1.3								1.9	11.7
VARBL													
CALM												3.9	
	11.6	20.0	43.2	18.7	1.9	.6						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

13  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.6	.6									3.2	5.8
NNE													
NE		.6										.6	5.0
ENE		1.9	1.9	1.9								5.8	9.0
E		1.9	3.2	.6								5.8	7.8
ESE	.6	2.6	3.2	.6								7.1	6.6
SE	1.3	.6	3.9	1.3								7.1	7.3
SSE	.6	.6	1.9	2.6								5.8	9.4
S	.6	1.3	1.9	2.6								6.5	9.3
SSW			.6	.6	.6							1.9	13.3
SW		.6	1.9	3.2								5.8	11.6
WSW			3.2	2.6								5.8	10.7
W	1.9	2.6	6.5	5.2	1.3	.6						18.1	10.2
WNW	.6	1.9	3.2	3.2	.6							9.7	10.3
NW	.6	5.2	3.9	2.6	.6							12.9	8.6
NNW			.6	.6								1.3	12.0
VARBL													
CALM												2.6	
	6.5	22.6	36.8	27.7	3.2	.6						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	.6									1.3	7.0
NNE			.6									.6	8.0
NE		1.3	.6									1.9	6.7
ENE			1.3									1.3	9.0
E	.6	3.9	2.6	.6								7.7	6.5
ESE	.6	1.9	2.6									5.2	6.4
SE	1.3	5.8	5.8	.6								13.5	6.4
SSE			3.9	1.9								5.8	10.1
S	.6		5.2	6.5	.6	.6						13.5	11.2
SSW			1.3	3.2								4.5	12.4
SW				1.3								1.3	13.5
WSW			2.6	1.9								4.5	10.1
W		2.6	6.5	5.2	.6	.6						15.5	10.5
WNW		1.3	5.8	4.5	.6							12.3	10.4
NW	.6	1.9		1.9	.6	.6						5.8	11.2
NNW			1.3	2.6								3.9	12.0
VARBL													
CALM												1.3	
	3.9	19.4	40.6	30.3	2.6	1.9						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

19  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.6									.6	10.0
NNE													
NE	1.3		.6									1.9	4.3
ENE	.6											1.3	4.5
E	1.9	3.2	1.3									6.5	5.0
ESE	1.9	3.9	.6									6.5	4.2
SE	.6	3.2										3.9	4.0
SSE	1.9	5.2	2.6	.6								10.3	6.2
S	3.2	9.7	8.4	1.9								23.2	6.2
SSW		2.6	3.2									5.8	6.4
SW		2.6	1.3									3.9	6.0
WSW	1.3	2.6	.6									4.5	4.7
W	3.9	4.5	1.3	1.3								11.0	5.3
WNW	.6	2.6	1.3									4.5	5.7
NW	1.3	1.3	1.3	1.3								5.2	8.3
NNW	1.3	1.3		1.9								4.5	7.6
VARBL													
CALM												6.5	
	20.0	43.2	23.2	7.1								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.6	.6									3.9	5.5
NNE	.6	.6										1.3	4.0
NE		.6										.6	4.0
ENE	1.3		.6									1.9	3.3
E	3.2	1.3										4.5	2.9
ESE	2.6	1.3	.6									4.5	4.0
SE	2.6	.6										3.2	2.6
SSE	1.9	2.6										4.5	3.7
S	7.1	4.5	1.9	.6								14.2	4.3
SSW	3.2	3.9	2.6	1.3								11.0	5.4
SW	5.2	2.6	1.3									9.0	4.0
WSW	4.5	1.3		.6								6.5	3.8
W	1.3	1.3	2.6	.6								5.8	6.7
WNW		.6		.6								1.3	9.5
NW	2.6	1.9		.6								5.2	4.5
NNW	1.3	.6		.6								2.6	5.8
VARBL												20.0	
CALM												100.0	3.6
	38.1	26.5	10.3	5.2									

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.7	.3									3.2	4.8
NNE	.6	.4	.2									1.2	4.0
NE	1.1	.9	.4									2.4	4.4
ENE	.8	1.2	1.8	.6								4.4	6.9
E	1.8	2.1	1.5	.5								5.9	5.8
ESE	1.3	2.2	1.1	.1								4.7	5.1
SE	1.3	2.3	2.2	.3								6.1	5.9
SSE	.9	1.9	1.7	.9								5.4	7.0
S	2.4	2.7	2.8	1.7	.2	.1						9.9	7.0
SSW	.6	1.1	1.7	.9	.1							4.4	7.8
SW	1.3	1.3	1.5	1.1								5.1	7.2
WSW	1.9	1.0	2.3	.9								6.1	6.6
W	1.6	3.0	5.4	2.5	.4	.3						13.2	8.5
WNW	.8	1.3	2.2	1.5	.2							6.0	8.7
NW	1.3	2.1	1.7	1.6	.3	.1						7.0	6.2
NNW	1.1	.7	.4	1.3								3.5	7.6
VARBL													
CALM												11.6	
	19.6	25.8	27.5	13.9	1.1	.4						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

1116

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY

STATION NAME

73-75

YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	1.1										5.6	2.6
NNE	4.4											4.4	2.8
NE		2.2										2.2	4.5
ENE	1.1		1.1									2.2	4.5
E		2.2	1.1									3.3	6.3
ESE	1.1											1.1	2.0
SE	3.3	2.2	1.1									6.7	4.2
SSE	3.3	1.1										4.4	2.8
S	4.4	2.2	2.2									8.9	4.1
SSW		3.3	2.2									5.6	6.4
SW	3.3	3.3										6.7	3.8
WSW	3.3	4.4	1.1									8.9	4.3
W		6.7										6.7	4.3
WNW	1.1	2.2										3.3	3.3
NW													
NNW													
VARBL													
CALM												30.0	
	30.0	31.1	8.9									100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

90

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4											4.4	2.3
NNE	4.4											4.4	2.0
NE	4.4	1.1	1.1									6.7	3.2
ENE	2.2	1.1										3.3	2.3
E	3.3		2.2									5.6	4.4
ESE	1.1											1.1	3.0
SE	1.1	3.3										4.4	4.5
SSE	1.1		1.1									2.2	6.5
S	3.3	2.2										5.6	4.0
SSW	1.1	2.2										3.3	4.3
SW	3.3	2.2	1.1									6.7	4.2
WSW	2.2	3.3										5.6	4.0
W		3.3										3.3	4.3
WNW	3.3	2.2	1.1									6.7	3.5
NW	2.2	2.2										4.4	4.0
NNW	1.1	1.1										2.2	3.0
VARBL													
CALM												30.0	
	38.9	24.4	6.7									100.0	2.6

TOTAL NUMBER OF OBSERVATIONS

90

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	1.3	.7									4.7	3.6
NNE	2.0	1.3										3.3	3.0
NE	1.3	.7	2.0									4.0	5.3
ENE	2.0	2.0		.7								4.7	5.1
E	.7	1.3	2.0									4.0	5.8
ESE	2.0	.7										2.7	3.0
SE	1.3	1.3										2.7	3.8
SSE	.7	2.7	.7									4.0	4.8
S	1.3	2.7	1.3									5.3	5.1
SSW	2.0	3.3	1.3									6.7	4.7
SW	2.0	1.3	3.3									6.7	5.8
WSW	3.3	2.7	4.0									10.0	5.5
W	4.0	3.3	6.7									14.0	5.4
WNW	.7	2.0	2.7	.7								6.0	7.3
NW	.7	4.7	2.0									7.3	5.5
NNW	2.0		1.3									3.3	4.4
VARBL													
CALM												10.7	
	28.7	31.3	28.0	1.3								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7										3.3	3.6
NNE	.7	.7										1.3	2.5
NE	2.0		2.7	.7								5.3	6.8
ENE	1.3	2.0	2.0									5.3	5.1
E	1.3	2.0	3.3	.7								7.3	6.8
ESE	2.0	1.3	1.3									4.7	4.3
SE	.7	1.3	2.7									4.7	6.7
SSE	1.3	.7		.7								2.7	5.5
S		2.7	4.0	.7								7.3	7.2
SSW	1.3	1.3	3.3	.7								6.7	6.5
SW	2.0		3.3	.7								6.0	6.2
WSW	1.3	1.3	3.3	2.0								8.0	7.3
W	1.3	4.0	6.0	2.0								13.3	7.2
WNW	.7	2.0	4.0	2.7								9.3	8.5
NW		1.3	3.3	.7								5.3	8.0
NNW		2.0	3.3									5.3	7.8
VARBL													
CALM												4.0	
	16.7	25.3	42.7	11.3								100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

13  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3										1.3	4.5
NNE		1.3										1.3	5.0
NE	.7		.7									1.3	6.5
ENE	.7	4.0	4.0	1.3								10.0	7.0
E	1.3	4.0	1.3	.7								7.3	6.5
ESE	1.3	2.0	3.3									6.7	6.3
SE	.7	2.0	2.7	.7								6.0	6.9
SSE		2.0	1.3									3.3	6.6
S	1.3	2.7	2.7	2.0								8.7	8.0
SSW	.7		3.3	2.7								6.7	10.1
SW		2.0	2.0	2.0								6.0	8.4
WSW		2.7	4.7	3.3								10.7	8.4
W	2.0	.7	6.7	3.3								12.7	8.6
WNW	.7		4.0	4.7	.7							10.0	10.6
NW			4.0	1.3								5.3	10.0
NNW	.7		2.0									2.7	6.5
VARBL													
CALM												.0	
	10.0	24.7	42.7	22.0	.7							100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7										1.3	3.5
NNE		.7										.7	4.0
NE		.7										.7	4.0
ENE	.7	.7	1.3	1.3								4.0	8.7
E	.7	3.3	4.7									8.7	7.0
ESE		3.3	3.3									6.7	6.3
SE	.7	3.3	6.0									9.3	7.4
SSE	.7	2.0	3.3	.7								6.7	6.7
S		1.3	4.7	6.7								12.7	10.8
SSW		.7	4.7	2.0								7.3	9.2
SW		.7	1.3	2.0								4.0	10.2
WSW		1.3	4.7	2.0								8.0	9.4
W	2.0	.7	5.3	4.0								12.0	8.6
WNW		.7	3.3	2.0								6.0	9.8
NW		.7	2.0	.7								3.3	8.2
NNW	.7		4.7	.7								6.0	8.1
VARBL													
CALM												2.7	
	5.3	20.7	49.3	22.0								100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

19  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.7									3.3	3.8
NNE	.7	.7										1.3	4.0
NE	.7											.7	3.0
ENE	2.0		.7	.7								3.3	5.6
E	1.3	3.3	2.7									7.3	6.1
ESE	2.7	1.3	.7									4.7	3.9
SE	2.7	4.7	.7									8.0	4.0
SSE	2.0	5.3	2.7									10.0	5.3
S	2.0	5.3	9.3	1.3								18.0	7.0
SSW	1.3	3.3	2.0									6.7	4.9
SW	.7	5.3	2.7									8.7	5.8
WSW	1.3	.7	1.3									3.3	5.2
W	.7	3.3	2.0									6.0	5.6
WNW	.7	4.0	.7									5.3	4.9
NW	.7	.7	.7									2.0	5.3
NNW	1.3	.7										2.0	2.7
VARBL													
CALM												9.3	
	22.0	40.0	26.7	2.0								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.0	.7									4.7	4.3
NNE	1.3	.7										2.0	3.0
NE	.7	.7										1.3	3.0
ENE	1.3	1.3	1.3									4.0	5.2
E	1.3	1.3	1.3									2.7	5.3
ESE	2.0	1.3	.7									4.0	3.5
SE	2.0	1.3	2.0									5.3	5.1
SSE	4.7	2.7	.7									8.0	4.0
S	6.0	5.3	2.7									14.0	4.1
SSW	1.3	4.7	2.0	.7								8.7	5.5
SW	2.0	2.7										4.7	3.6
WSW	2.7	3.3										6.0	3.9
W	2.0	2.7	1.3									6.0	4.3
WNW	3.3		.7									4.0	3.7
NW	.7											.7	3.0
NNW	1.3											1.3	3.0
VARBL													
CALM												22.7	
	34.7	28.7	13.3	.7								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY

STATION NAME

73-77

YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.4	.3									3.4	3.3
NNE	1.4	.7										2.1	3.0
NE	1.1	.6	.8	.1								2.6	5.0
ENE	1.4	1.5	1.4	.6								4.8	5.9
E	1.2	2.1	2.4	.2								5.9	6.3
ESE	1.6	1.4	1.3									4.3	4.8
SE	1.4	2.4	2.0	.1								5.9	5.6
SSE	1.7	2.2	1.3	.2								5.4	5.2
S	2.1	3.1	3.6	1.5								10.4	6.8
SSW	1.0	2.3	2.5	.8								6.7	6.7
SW	1.5	2.1	1.9	.6								6.1	6.0
WSW	1.7	2.3	2.6	1.0								7.6	6.5
W	1.7	2.9	3.9	1.3								9.7	6.7
WNW	1.2	1.6	2.2	1.4	.1							6.5	7.5
NW	.5	1.2	1.7	.4								3.7	7.0
NNW	.9	.5	1.6	.1								3.1	6.2
VARBL													
CALM												11.9	
	22.0	28.3	29.4	8.2	.1							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

1080

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75

YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2											2.2	2.0
NNE	1.1	1.1										2.2	3.5
NE													
ENE													
E		1.1										1.1	4.0
ESE													
SE													
SSE													
S	4.3	6.5										10.8	4.0
SSW	4.3	4.3	4.3									12.9	5.2
SW	1.1	1.1	1.1									3.2	5.0
WSW	5.4	4.3										9.7	3.2
W	4.3	2.2										6.5	2.8
WNW	3.2											3.2	2.0
NW	1.1	2.2	1.1									4.3	5.5
NNW	2.2	2.2										4.3	3.5
VARBL													
CALM												39.8	
	29.0	24.7	6.5									100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

93



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		1.1										1.1	5.0
NE													
ENE													
E													
ESE	1.1											1.1	2.0
SE													
SSE	1.1											1.1	2.0
S	4.3	3.2	2.2									9.7	4.7
SSW	3.2	3.2	3.2									6.5	3.3
SW	3.2	3.2	3.2									9.7	5.1
WSW	5.4	2.2	1.1									7.5	2.7
W	6.5	3.2	1.1									10.8	3.4
WNW	3.2	1.1										4.3	2.8
NW	2.2											2.2	2.0
NNW	4.3	4.3										8.6	3.1
VARBL													
CALM												37.6	
	34.4	21.5	6.5									100.0	2.3

TOTAL NUMBER OF OBSERVATIONS

93

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	1.9	.6									7.1	3.5
NNE	1.9		.6									2.6	3.8
NE	.6	.6										1.3	3.0
ENE	1.3	1.9	.6									3.9	4.5
E	1.3	.6										1.9	2.3
ESE		.6										.6	6.0
SE	1.3											1.3	2.0
SSE	1.3	.6										1.9	4.0
S	1.3	1.9	1.3	.6								5.2	6.0
SSW	3.2	1.3	2.6									7.1	4.6
SW	3.9	2.6	3.2									9.7	5.5
WSW	2.6	4.5	.6									7.7	4.3
W	3.2	9.7	3.9									16.8	5.2
WNW	1.3	1.3	2.6									5.2	5.9
NW	3.9	3.2	.6	.6								8.4	4.3
NNW	3.2	2.6	.6									6.5	3.8
VARBL													
CALM												12.9	
	34.8	33.5	17.4	1.3								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.6	1.3									5.8	6.4
NNE	1.9	3.9	.6									6.5	4.9
NE	1.3	.6										1.9	3.0
ENE	1.3	1.9	.6									3.9	5.0
E	1.3	1.9	.6									3.9	5.3
ESE		1.3	.6									1.9	5.7
SE	1.9	1.9										3.9	3.8
SSE	.6	.6	.6									1.9	4.3
S		1.9	1.3	.6								3.9	7.8
SSW	.6	1.9	2.6	.6								5.8	6.8
SW	.6	.6	3.2									4.5	6.7
WSW	.6	2.6	3.9	1.9								9.0	7.8
W	1.9	5.8	7.1	1.3								16.1	7.2
WNW	1.3	1.9	3.2	1.3								7.7	7.4
NW	1.9	1.9	4.5	.6								9.0	6.6
NNW	2.6	2.6	3.9	.6								9.7	6.2
VARL													
CALM												4.5	
	20.0	34.2	34.2	7.1								100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

13  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.6	1.3									5.8	4.6
NNE	.6	2.6	.6									3.9	4.3
NE		.6										.6	5.0
ENE		.6	.6									1.3	6.5
E		3.9	1.9	.6								6.5	6.9
ESE		2.6	1.3									3.9	6.0
SE		.6	1.3									1.9	6.7
SSE	1.3	1.9	1.3									4.3	5.4
S		3.2	3.9									7.1	7.1
SSW		1.9	1.9	1.3								5.2	8.8
SW		1.3	4.5	.6								6.5	8.7
WSW	1.3	1.9	7.7	1.9								12.9	7.9
W	3.2	2.6	5.2	1.9								12.9	6.8
V/NW	.6	3.2	5.8	3.2								12.9	8.3
NW		1.9	3.9	.6								6.5	7.6
NNW	1.9	1.9	1.9									5.8	5.1
VARBL													
CALM												1.9	
	11.0	33.5	43.2	10.3								100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.9	1.9									5.2	5.4
NNE													
NE													
ENE	.6	.6	1.3									2.6	5.6
E		4.5	1.3	.6								6.3	6.5
ESE	.6	2.6	1.9									5.2	5.4
SE		3.9	3.2									7.1	6.6
SSE	.6	3.2	3.9									7.7	6.4
S		1.3	4.5	3.2								9.0	9.4
SSW	1.3	.6	4.5	1.3								7.7	7.5
SW		1.3	2.6									3.9	7.7
WSW	.6	1.3	7.1	1.3								10.3	8.1
W	.6	3.2	5.8	3.2								12.9	8.2
WNW		2.6	4.5	3.9								11.0	9.2
NW		1.9	3.2	1.3								6.3	8.4
NNW		1.3	1.3	.6								3.2	8.2
VARBL												1.3	
CALM												100.0	7.5
	5.8	30.3	47.1	15.5									

TOTAL NUMBER OF OBSERVATIONS

153

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

19  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	.6									1.9	5.7
NNE	1.3											1.3	2.0
NE													
ENE	.6	1.9										2.6	4.3
E	.6	.6	.6									1.9	5.3
ESE	2.6	1.9										4.5	3.6
SE	1.9	3.9										5.8	4.3
SSE	3.9	7.1	.6	.6								12.3	4.7
S	5.2	7.7	3.2	.6								16.6	4.9
SSW		2.6	3.9									6.5	6.8
SW	3.9	5.8										9.7	3.7
WSW	3.2	3.9										7.1	3.8
W	5.2	5.2	.6									11.0	3.8
WNW	1.9	1.3	1.3									4.5	4.7
NW	2.6	1.9	.6									5.2	3.9
NNW	.6	.6										1.3	4.0
VARB													
CALM												7.7	
	34.2	45.2	11.6	1.3								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9											1.9	2.0
NNE													
NE													
ENE	1.3	.6										1.9	2.7
E	.6	.6										1.3	2.5
ESE													
SE	3.2	.6										3.9	2.8
SSE	2.6	1.3	.6									4.5	3.7
S	3.9	3.9	3.2									11.0	5.0
SSW	3.9	4.5	1.3									9.7	4.2
SW	9.1	3.9										13.0	3.0
WSW	3.9	3.2										7.1	3.3
W	3.2	.6										3.9	2.2
WNW	1.9	1.9										3.9	3.2
NW		1.3		.6								1.9	7.0
NNW	1.3	1.3										2.6	3.5
VARBL													
CALM												33.1	
	37.0	24.0	5.2	.6								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

154

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.3	.8									4.0	4.2
NNE	.9	1.1	.3									2.2	4.1
NE	.3	.3										.5	3.3
ENE	.7	1.1	.4									2.2	4.7
E	.5	1.8	.6	.2								3.1	5.7
ESE	.5	1.3	.5									2.3	5.0
SE	1.2	1.5	.6									3.3	4.8
SSE	1.5	2.1	1.0	.1								4.7	5.0
S	2.2	3.6	2.6	.7								9.1	5.9
SSW	1.9	2.4	2.7	.4								7.4	5.8
SW	2.8	2.5	2.2	.1								7.6	5.2
WSW	2.6	3.0	2.7	.7								9.7	5.7
W	3.3	4.2	3.2	.9								11.7	5.7
WNW	1.5	1.8	2.4	1.2								6.9	6.9
NW	1.4	1.9	1.9	.5								5.7	6.0
NNW	1.9	2.0	1.1	.2								5.1	4.9
VARBL													
CALM												15.0	
	25.1	31.7	23.1	5.0								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

1115

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY

73-75

YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1										2.2	3.5
NNE	5.4											3.4	2.0
NE	1.1											1.1	2.0
ENE	1.1	1.1	3.2									5.4	6.2
E	2.2											2.2	3.0
ESE		1.1										1.1	3.0
SE	1.1											1.1	2.0
SSE	2.2											2.2	2.0
S	3.2											3.2	2.3
SSW	3.2	3.2	1.1									7.3	4.1
SW	2.2	2.2	1.1									5.4	4.2
WSW	3.2	1.1										4.3	2.8
W	3.2	1.1	1.1									5.4	3.4
WNW	3.2											3.2	2.0
WW	2.2											2.2	2.5
NNW	2.2											2.2	2.0
VARBL													
CALM												46.2	
	36.6	10.8	6.5									100.0	1.8

TOTAL NUMBER OF OBSERVATIONS

93



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75

YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

04

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.4											5.4	2.0
NNE	3.2											3.2	2.7
NE			1.1									1.1	9.0
ENE	1.1		1.1									2.2	4.5
E		1.1										1.1	6.0
ESE	1.1											1.1	2.0
SE	1.1	1.1										2.2	3.0
SSE	1.1		1.1									2.2	4.5
S	1.1											1.1	3.0
SSW	4.3	1.1	1.1									6.5	3.5
SW	1.1	1.1										2.2	4.5
WSW	5.4	1.1	1.1									7.5	3.7
W	10.8	1.1	1.1									12.9	2.8
WNW	5.4											5.4	1.8
NW	1.1											1.1	1.0
NNW	1.1	1.1										2.2	3.0
VARBL													
CALM												43.0	
	43.0	7.5	6.5									100.0	1.8

TOTAL NUMBER OF OBSERVATIONS

93

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	1.9										5.2	3.3
NNE	1.9											1.9	2.7
NE	1.3	1.3	1.3									3.9	4.8
ENE	2.6	1.3										3.9	3.3
E	1.9	.6										2.6	3.3
ESE													
SE	.6	.6										1.3	3.0
SSE	.6	.6	.6									1.9	4.7
S	1.9	1.3	.6									3.9	3.8
SSW	2.6	2.6	1.3									6.5	4.2
SW	3.9	1.9	1.3									7.1	4.2
WSW	5.2	3.9										9.0	3.1
W	2.6	3.2	1.3	.6								7.7	5.1
WNW	3.9	5.8										9.7	3.7
NW	2.6	1.9	.6									5.2	4.3
NNW		1.3	.6									1.9	5.7
VARBL													
CALM												28.4	
	34.8	28.4	7.7	.6								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.2	.6									5.2	4.9
NNE	2.6	1.9	.6									5.2	3.9
NE			.6									.6	8.0
ENE	2.6	2.6	.6	.6								6.5	4.9
E	1.3	4.5	3.9									9.7	5.9
ESE		3.2										3.2	4.8
SE		1.3	1.3									2.6	6.3
SSE	.6	1.3	.6									2.6	4.3
S	1.3	3.9	2.6									7.7	5.4
SSW	.6	1.3	1.9	1.3								5.2	7.0
SW	1.9	.6	4.5	.6								7.7	7.3
WSW		2.6	2.6									5.2	6.3
W	2.6	4.5	3.2	.6								11.0	5.8
WNW	2.6	5.8	1.9									10.3	5.0
NW	1.9	3.9	2.6	.6								9.0	5.8
NNW		2.6	.6									3.2	5.4
VARBL													
CALM												5.2	
	19.4	43.2	28.4	3.9								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

13  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
H	.6	.6	.6									1.9	4.7
NNE	1.3	.6										1.9	3.7
NE	1.3	1.9										3.2	3.8
ENE		1.3	3.2	.6								5.2	8.3
E	.6	2.6	2.6									5.8	3.9
ESE	.6	2.6	1.3									4.5	5.0
SE	.6	3.9		.6								5.2	5.6
SSE		.6	1.3									1.9	6.7
S	1.3	2.6	3.2									7.1	6.3
SSW	.6	1.3		.6								2.6	5.8
SW	.6	3.9	3.2	.6								8.4	7.0
WSW		4.5	3.9	1.3								9.7	7.4
W	2.6	7.1	7.1	1.9								18.7	6.7
WNW	1.3	5.2	3.2	.6								10.3	6.1
NW	.6	1.9		.6								3.2	6.6
NNW	1.3	4.5	1.9									7.7	5.3
VARBL													
CALM												2.6	
	13.5	45.2	31.6	7.1								100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.9										2.6	4.8
NNE	.6	1.9										2.6	4.3
NE		.6	1.3									1.9	7.7
ENE		1.9		.6								2.6	7.3
E		5.2	1.9	.6								7.7	6.2
ESE	.6	1.3	.6									2.6	5.0
SE	1.9	4.5	3.9									10.3	6.1
SSE		1.9	6.5									8.4	7.4
S		1.3	4.5	.6								6.5	7.8
SSW	1.3	1.9	2.6	.6								6.5	6.5
SW		.6	3.9	.6								5.2	8.3
WSW		2.6	3.9	.6								7.1	7.1
W	1.3	3.2	5.8	3.2								13.5	8.1
WNW	1.3	5.2	1.9									8.4	5.8
NW	.6	3.2	3.9									7.7	6.2
NNW		3.2	.6									3.9	5.2
VARBL													
CALM												2.6	
	8.4	40.6	41.3	7.1								100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

19  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9											1.9	1.3
NNE	.6	.6	.6	.6								2.6	7.8
NE	.6	1.3										1.9	3.7
ENE	1.9	.6	.6									3.2	3.6
E	1.9	2.6										4.5	3.7
ESE	3.2	.6										3.9	2.5
SE	3.9	1.9										5.8	3.0
SSE	7.7	2.6	1.3									11.6	3.8
S	8.4	6.5	2.6									17.4	4.1
SSW	1.3	1.3	1.9									4.5	5.3
SW	4.5	2.6										7.1	3.1
WSW	.6	.6	.6									1.9	5.0
W	5.2	1.3										6.5	2.7
WNW	3.2											3.2	2.0
NW	1.9	.6										2.6	2.5
NNW	1.3		.6									1.9	4.0
VARBL													
CALM												19.4	
	48.4	23.2	8.4	.6								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3										1.9	4.3
NNE		.6										.6	4.0
NE	.6											.6	2.0
ENE	.6	1.3	1.3									3.2	5.6
E		.6										.6	6.0
ESE	1.3		.6									1.9	4.0
SE	1.9	.6										2.6	3.0
SSE	1.9											1.9	2.7
S	5.8	2.6										8.4	3.2
SSW	3.2	3.9	1.9									9.0	4.5
SW	3.9	1.9	1.3									7.1	4.2
WSW	3.2	3.2		.6								7.1	4.7
W	3.2	2.6										5.8	3.0
WNW	1.3	1.3	.6									3.2	3.6
NW	1.3	1.3										2.6	4.0
NNW	1.9					.6						2.6	7.8
VARBL													
CALM												40.6	
	31.0	21.3	5.8	.6		.6						100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.3	.2									3.2	3.7
NNE	1.7	.8	.2	.1								2.8	3.9
NE	.6	.7	.5									1.9	4.9
ENE	1.3	1.3	1.2	.3								4.0	5.6
E	1.0	2.3	1.2	.1								4.6	5.4
ESE	.9	1.2	.4									2.4	4.2
SE	1.4	1.9	.7	.1								4.1	4.8
SSE	1.8	1.0	1.5									4.3	4.9
S	3.0	2.5	1.9	.1								7.4	4.8
SSW	2.0	2.1	1.5	.4								5.9	5.1
SW	2.3	1.9	2.1	.3								6.5	5.5
WSW	2.0	2.6	1.6	.4								6.5	5.3
W	3.6	3.2	2.6	.9								10.3	5.5
WNW	2.6	3.2	1.1	.1								7.0	4.5
NW	1.5	1.8	1.0	.2		.1						4.5	5.1
NNW	.9	1.7	.6									3.3	5.2
VARBL													
CALM												21.1	
	28.2	29.6	18.2	2.8		.1						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

1116

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2,2	1,1										3,3	3,0
NNE	2,2	3,3										5,6	3,4
NE	2,2		2,2									4,4	4,8
ENE	2,2		1,1									3,3	4,7
E	1,1	2,2										3,3	4,7
ESE		1,1										1,1	4,0
SE													
SSE	3,3											3,3	2,0
S	1,1		1,1									2,2	5,5
SSW	1,1	2,2		1,1								4,4	5,5
SW	2,2	1,1										3,3	3,7
WSW	3,3	2,2										5,6	3,2
W	1,1	2,2										3,3	3,3
WNW	5,6			1,1								6,7	4,7
NW	3,3	1,1	4,4									8,9	5,4
NNW	3,3	1,1										4,4	2,8
VARBL													
CALM												36,7	
	34,4	17,8	8,9	2,2								100,0	2,6

TOTAL NUMBER OF OBSERVATIONS

90

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75

YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	2.2										5.6	3.6
NNE	1.1	1.1										2.2	2.5
NE	3.3		1.1									4.4	3.5
ENE	2.2		1.1									3.3	5.3
E	1.1	1.1										2.2	3.5
ESE	1.1	2.2										3.3	4.0
SE	1.1	1.1										2.2	4.0
SSE	1.1											1.1	2.0
S	3.3	1.1										4.4	2.8
SSW	2.2			1.1								3.3	6.0
SW	1.1											1.1	2.0
WSW	1.1	2.2										3.3	3.7
W	3.3	1.1										4.4	2.8
WNW	4.4	1.1	1.1									6.7	3.8
NW	4.4	1.1	1.1									6.7	3.2
NNW		3.3	1.1									4.4	5.5
VARBL													
CALM												41.1	
	34.4	17.8	5.6	1.1								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS

90

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.3										3.3	3.0
NNE	2.7	1.3										4.0	2.3
NE	2.7	1.3	2.0									6.0	4.6
ENE	.7		.7									1.3	6.5
E	.7	.7	.7									2.0	6.0
ESE	1.3	.7										2.0	3.7
SE		2.0										2.0	5.0
SSE	1.3	.7	.7									2.7	4.8
S	.7											.7	2.0
SSW	.7	2.7	.7	.7								4.7	6.6
SW	.7	1.3	.7	.7								3.3	6.2
WSW	4.0	2.0										6.0	2.7
W	4.0	7.3	.7									12.0	3.8
WNW	2.0	3.3										5.3	3.6
NW	2.0	2.7	2.0									6.7	5.2
NNW	2.7	2.7	.7									6.0	3.9
VARBL													
CALM												32.0	
	28.0	30.0	8.7	1.3								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.7	.7									4.7	4.7
NNE	.7	2.0	.7									3.3	5.2
NE	1.3	2.0	2.7									6.0	6.2
ENE	.7	4.7	2.7									8.0	5.6
E		2.0	.7									2.7	5.0
ESE	.7	.7	2.0	.7								4.0	7.7
SE		1.3		.7								2.0	7.0
SSE	.7	1.3	2.0									4.0	6.2
S	.7	3.3	1.3									5.3	6.3
SSW	1.3	1.3	2.0									4.7	6.1
SW	.7	1.3	2.0	2.0								6.0	8.6
WSW	.7	.7	4.0	.7								6.0	7.6
W	2.0	4.0	6.0	2.0								14.0	7.1
WNW	2.7	2.0	2.7	.7								8.0	5.6
NW		4.7	4.7	.7								10.0	6.9
NNW	1.3	4.0	1.3	.7								7.3	5.8
VARBL													
CALM												4.0	
	14.7	36.0	35.3	8.0								100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

13  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	.7	1.3									4.0	4.2
NNE	2.0											2.0	2.0
NE	2.0	1.3	3.3									6.7	5.4
ENE	.7	2.7	.7									4.0	5.3
E	.7	.7	2.7									4.0	6.8
ESE	1.3	3.3	2.0									6.7	5.1
SE	1.3		1.3									2.7	5.8
SSE		.7	2.7	1.3								4.7	8.7
S	1.3	1.3	3.3	.7								6.7	6.9
SSW	.7	.7	2.7	.7								4.7	8.7
SW	.7	.7	4.0	2.0								7.3	8.5
WSW		1.3	4.0	2.0								7.3	8.6
W	.7	2.0	6.7	2.0								11.3	8.6
WNW	.7	3.3	8.7	1.3								14.0	7.6
NW	.7	2.7	2.7	2.0								8.0	7.8
NNW	.7		2.7									3.3	7.0
VARBL													
CALM												2.7	
	15.3	21.3	48.7	12.0								100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3										2.0	3.3
NNE													
NE	1.3	2.7	3.3									7.3	6.0
ENE			.7									.7	7.0
E	1.3	3.3	2.0									6.7	5.2
ESE		5.3	2.0									7.3	6.0
SE	.7	3.3	1.3									5.3	5.9
SSE	.7	2.0	4.0									6.7	6.5
S	.7	1.3	5.3	2.7								10.0	9.0
SSW		.7	.7									1.3	7.5
SW	.7	1.3	5.3									7.3	7.4
WSW	.7	1.3	1.3									3.3	6.4
W	.7	4.0	5.3	4.7								14.7	8.4
WNW	.7	3.3	4.7	1.3	.7							10.7	8.6
NW	.7	2.0	6.0	.7								9.3	7.7
NNW	1.3	2.0	2.7									6.0	5.4
VARBL													
CALM												1.3	
	10.0	34.0	44.7	9.3	.7							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

19  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.7										2.0	3.0
NNE	.7	.7	.7									2.0	5.0
NE	2.0	2.0	1.3									5.3	4.3
ENE	1.3	.7		.7								2.7	5.3
E	1.3	1.3	1.3	.7								4.7	5.7
ESE	.7	2.0										2.7	4.5
SE	5.3	2.7										8.0	3.3
SSE	5.3	3.3	.7									9.3	3.7
S	4.7	6.7	2.0									13.3	4.7
SSW	2.0		.7									2.7	3.8
SW	4.0	1.3	1.3									6.7	4.1
WSW	.7	2.0										2.7	4.0
W	1.3	.7		1.3								3.3	7.4
WNW	3.3	2.0										5.3	3.1
NW	2.0	1.3										3.3	3.4
NNW	2.0	2.0										4.0	3.0
VARB													
CALM												22.0	
	38.0	29.3	8.0	2.7								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3										1.3	4.5
NNE	.7	1.3										2.0	4.3
NE	1.3	2.7	.7									4.7	4.7
ENE	.7	.7	1.3	.7								2.7	9.0
E	2.0	.7	.7									3.3	4.2
ESE		2.0										2.0	5.0
SE	.7	.7										1.3	3.0
SSE	6.0	.7										6.7	2.3
S	2.0	2.0	2.0	.7	.7							7.3	6.9
SSW	3.3	4.0										7.3	3.6
SW	2.0	1.3	.7									4.0	4.7
WSW	.7	4.0										4.7	4.0
W	2.7	.7	1.3	.7								5.3	5.3
WNW	2.7	1.3	.7									4.7	3.7
NW	2.0	2.0	.7									4.7	4.7
NNW	3.3		.7									4.0	3.0
VARBL													
CALM												34.0	
	29.3	25.3	8.7	2.0	.7							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.4	.3									3.1	3.8
NNE	1.2	1.1	.2									2.5	3.6
NE	1.9	1.7	2.1									5.7	5.1
ENE	.8	1.2	1.0	.2								3.2	5.9
E	1.0	1.5	1.1	.1								3.7	5.3
ESE	.6	2.2	.8	.1								3.8	5.4
SE	1.2	1.5	.4	.1								3.1	4.7
SSE	2.3	1.2	1.4	.2								5.1	4.8
S	1.8	2.1	2.0	.6	.1							6.6	6.3
SSW	1.4	1.5	.9	.4								4.2	5.8
SW	1.5	1.1	1.9	.6								5.2	6.5
WSW	1.3	1.9	1.3	.4								4.9	5.5
W	1.9	2.9	2.8	1.5								9.1	6.6
WNW	2.5	2.2	2.4	.6	.1							7.8	5.9
NW	1.7	2.3	2.7	.5								7.1	6.1
NNW	1.9	1.9	1.2	.1								5.0	4.7
VARBL												19.8	
CALM												100.0	4.5
	24.5	27.7	22.6	5.2	.2								

TOTAL NUMBER OF OBSERVATIONS

1080

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY

73-75

YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.4											5.4	2.2
NNE	3.2	2.2										5.4	3.6
NE		1.1										1.1	5.0
ENE	1.1			1.1								2.2	8.5
E	1.1	1.1	1.1		1.1							4.3	8.3
ESE		1.1										1.1	5.0
SE	1.1											1.1	2.0
SSE													
S	2.2		1.1									3.2	5.3
SSW		2.2										2.2	5.5
SW	1.1		1.1									2.2	6.5
WSW	2.2	4.3	1.1									7.5	4.7
W	6.5	3.2	1.1									10.8	3.5
WNW	4.3	4.3										8.6	3.5
NW	4.3	6.5										10.8	3.7
NNW		1.1										1.1	6.0
VARBL													
CALM												33.3	
	32.3	26.9	5.4	1.1	1.1							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

93



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1											1.1	3.0
NNE	3.2	1.1										4.3	3.0
NE													
ENE	3.2			1.1								4.3	5.5
E	3.2	3.2	1.1	1.1								8.6	5.3
ESE	1.1											1.1	2.0
SE													
SSE	1.1											1.1	3.0
S	1.1	1.1	1.1									3.2	5.7
SSW	1.1		1.1									2.2	5.0
SW	1.1	1.1										2.2	3.5
WSW	2.2	3.2										5.4	3.8
W	4.3	3.2	1.1									8.6	3.8
WNW	5.4	4.3	2.2									11.8	4.1
NW	2.2	3.2										5.4	4.0
NNW	3.2	4.3										7.5	3.7
VARBL													
CALM												33.3	
	33.3	24.7	6.5	2.2								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

93

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9											3.9	2.3
NNE	2.6	1.9	.6									5.2	4.1
NE	2.6	1.3										3.9	3.7
ENE	1.9	.6		.6								3.2	3.0
E	2.6	1.9	.6	.6								5.8	5.0
ESE	1.3											1.3	2.0
SE		1.3										1.3	4.5
SSE	.6		1.3									1.9	7.0
S	1.3	.6	.6									2.6	4.0
SSW	1.3			.6								1.9	5.7
SW	1.3	.6	1.3									3.2	5.2
WSW	1.9	1.9	.6									4.5	4.4
W	3.9	5.8	1.9	1.3	1.3							14.3	6.2
WNW	3.2	3.9	.6	.6								8.4	4.8
NW	3.9	3.2	.6									7.8	4.0
NNW	1.3	1.3	1.3									3.9	5.3
VARB													
CALM												26.6	
	33.8	24.7	9.7	3.9	1.3							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY

STATION NAME

73-77

YEARS

UCT  
MONTH

ALL WEATHER  
CLASS

10  
MOVES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.2	1.3	1.3								7.1	6.1
NNE	1.9	1.9	.6	.6								5.2	5.0
NE	1.3	2.6	4.5									8.4	6.1
ENE	1.3	.6	3.2	1.3								6.5	8.1
E	1.3	1.9	.6									3.9	4.2
ESE	1.3	1.3	.6									3.2	4.8
SE	.6	1.9	1.3									3.9	5.7
SSE		1.3	.6			.6						2.6	10.3
S	1.9	.6	1.9									4.5	5.1
SSW		.6	1.3	.6								2.6	9.5
SW	.6			1.3								1.9	7.7
WSW		2.6	5.2	1.3								9.0	8.3
W	.6	3.2	3.9	2.6	1.9	.6						12.9	10.6
WNW	1.9	.6	1.9	4.5								9.0	9.6
NW	.6	1.3	4.5	3.2								9.7	9.0
NNW		3.2	1.9									5.2	6.5
VARBL													
CALM												4.5	
	14.8	27.1	33.5	16.8	1.9	1.3						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

159



2

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

13  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.9	.6	.6								5.2	5.0
NNE		.6	.6	.6								1.9	8.3
NE	1.3	.6	1.9									3.9	5.8
ENE	1.3	.6	4.5	1.3								7.7	7.8
E	2.6	.6	1.9	.6								5.8	5.9
ESE	1.9	1.9	1.9									5.8	5.2
SE	.6		2.6									3.2	7.2
SSE		.6	2.6	.6								3.9	8.8
S	1.3	1.9		.6	.6							3.9	6.2
SSW	.6	1.9		.6								3.2	6.0
SW	.6	1.3		.6	.6							3.2	7.8
WSW	.6	3.9	1.9	2.6	.6							9.7	8.3
W	.6	3.2	5.8	5.2	1.9							16.8	10.1
WNW	1.3	1.3	4.5	5.2	1.3							12.3	11.1
NW			4.5	1.9								6.5	10.3
NNW	1.3	2.6	1.3	1.3								6.5	6.7
VARBL													
CALM												.6	
	14.8	23.2	34.8	21.3	5.2							100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

OCT  
MONTH

16

ALL WEATHER  
CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	.6									1.9	5.0
NNE	1.3		.6									1.9	4.0
NE	.6	4.5	.6									5.8	4.9
ENE		1.9	1.9	1.3								5.2	8.4
E	1.9	1.9	1.9	.6								6.5	5.8
ESE	2.6	4.5	.6									7.7	4.6
SE	1.3	1.3	2.6									5.2	5.8
SSE	.6	3.2	1.9									5.8	6.1
S	.6	1.9	1.9									4.5	6.4
SSW	.6		.6									1.3	5.5
SW			1.3	1.9								3.2	11.6
WSW	.6	.6	1.3	.6								3.2	7.8
W		5.2	9.7	2.6								17.4	8.1
WNW	1.9	1.9	5.8	4.5								14.2	8.4
NW	.6	.6	6.5	3.9								11.6	9.2
NNW		1.9	1.3									3.2	6.4
VARBL													
CALM												1.3	
	12.9	31.0	39.4	15.5								100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

OCT  
MONTH

19  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9		.6									2.6	4.3
NNE	1.6			.6								1.3	7.5
NE	3.2	.6	.6									4.5	3.1
ENE	.6	1.3	.6	.6								3.2	6.2
E	1.9	1.3	1.3	.6								5.2	5.8
ESE	1.9	.6		.6								3.2	4.6
SE	1.9	.6										2.6	3.3
SSE	5.6	1.3		.6								7.7	3.6
S	3.9	.6	.6	.6								5.8	4.2
SSW	1.9	1.3	.6									3.9	4.0
SW	2.6	4.5										7.1	3.8
WSW	3.9	2.6										6.5	3.5
W		2.6	2.6	.6								5.0	7.9
WNW	3.2	.6	3.2	.6								7.7	5.9
NW	1.9	2.6	3.2	.6								6.4	6.2
NNW	3.2	.6										3.9	2.3
VARBL													
CALM												20.6	
	38.7	21.3	13.5	5.8								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

UCT  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.2	1.3										6.5	2.7
NNE	1.9	.6	.6									3.2	4.4
NE	.6	.6	.6									1.9	5.7
ENE	1.9	1.9		.6								4.5	4.6
E	1.3	1.3	.6	1.3								4.5	7.1
ESE	.6	.6										1.3	4.5
SE	1.9											1.9	2.7
SSE	3.2	1.3										4.5	2.7
S			.6	.6								1.3	10.0
SSW	.6	.6	2.6									3.9	6.3
SW	3.2	2.6	1.3	.6								7.7	4.4
WSW	3.2	3.2	1.3									7.7	4.0
W	3.9	1.9	.6	.6								7.1	4.4
WNW	3.2	1.3	1.3									5.8	4.1
NW	1.3	2.6	1.3	1.3								6.5	7.0
NNW	2.6	2.6	.6									5.8	3.8
VARBL													
CALM												25.8	
	34.8	22.6	11.6	5.2								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	1.1	.4	.3								4.3	4.0
NNE	1.7	1.0	.4	.3								3.4	4.7
NE	1.3	1.5	1.2									4.0	5.0
ENE	1.3	1.0	1.4	1.0								4.8	6.9
E	2.0	1.6	1.2	.6	.1							5.5	5.8
ESE	1.4	1.3	.4	.1								3.3	4.6
SE	1.0	.7	.9									2.6	5.1
SSE	1.5	1.1	.9	.2		.1						3.4	5.6
S	1.5	.9	1.0	.2	.1							3.7	5.5
SSW	.8	.8	.8	.3								2.7	6.0
SW	1.3	1.3	.6	.6	.1							4.0	5.8
WSW	1.8	2.7	1.5	.6	.1							6.7	5.9
W	2.2	3.6	3.6	1.8	.7	.1						11.9	7.6
WNW	2.7	2.1	2.6	2.2	.2							9.7	7.1
NW	1.7	2.2	2.9	1.5								8.3	7.1
NNW	1.4	2.2	.9	.2								4.7	5.1
VARBL													
CALM												16.6	
	26.3	25.1	20.8	9.8	1.3	.2						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

1115

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1											1.1	2.0
NNE	1.1	2.2										3.3	4.3
NE													
ENE		1.1										1.1	4.0
E													
ESE	1.1											1.1	1.0
SE	4.4	2.2										6.7	3.0
SSE													
S	1.1	3.3	2.2									6.7	5.5
SSW	2.2	1.1	1.1									4.4	4.3
SW	3.3	3.3	1.1									7.8	4.6
WSW	2.2	4.4	3.3									10.0	6.1
W	5.6	3.3	4.4	1.1								14.4	5.3
WNW	4.4		2.2	1.1								7.8	5.6
NW	1.1	3.3	1.1	4.4								10.0	8.8
NNW	4.4	1.1										5.6	2.2
VARBL													
CALM												20.0	
	32.2	25.6	15.6	6.7								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

90



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75

YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1											1.1	3.0
NNE		1.1										1.1	5.0
NE			1.1									1.1	7.0
ENE	1.1											1.1	2.0
E	1.1											1.1	2.0
ESE	2.2	1.1										3.3	3.0
SE	1.1	1.1										1.1	5.0
SSE	2.2	1.1	1.1									2.2	3.5
S	4.4	1.1	1.1	1.1								4.4	6.3
SSW	2.2	1.1	1.1									5.6	2.8
SW	3.3	7.8	3.3									4.4	4.5
WSW	2.2	7.8	5.6	1.1								14.4	5.1
W	2.2	4.4	1.1	2.2								16.7	6.3
WNW	3.3	1.1	1.1									7.8	4.1
NW		1.1										3.3	11.0
NNW		1.1										5.6	3.8
VARBL													
CALM												25.6	
	26.7	28.9	14.4	4.4								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

90

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY

STATION NAME

73-77

YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3										1.3	4.5
NNE	1.3											1.3	2.5
NE	1.3	.7	1.3									3.3	4.6
ENE		2.0	.7									2.7	6.5
E	.7	.7	.7	.7								2.7	7.3
ESE	.7	.7										1.3	4.0
SE	2.0	1.3										3.3	3.4
SSE	.7	1.3										2.0	4.0
S	2.0	2.0	.7									4.7	3.7
SSW	1.3	2.7										4.0	4.2
SW	2.7	1.3	3.3	.7								8.0	6.2
WSW	2.7	7.3	1.3									11.3	4.8
W	6.0	4.7	2.7	2.0								15.3	5.6
WNW	3.3	2.7	1.3	1.3								8.7	5.5
NW	2.0	2.7		1.3								6.0	5.7
NNW	.7	.7	.7									2.0	5.7
VARBL													
CALM												22.0	
	27.3	32.0	12.7	6.0								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY

73-77

STATION NAME

YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.7									2.0	5.0
NNE	1.3	2.7	.7									4.7	4.3
NE	.7	1.3										2.0	3.7
ENE	.7	2.7	2.7									6.0	6.1
E	2.0	1.3	1.3	.7								5.3	5.5
ESE	.7	.7										1.3	4.0
SE		1.3										1.3	4.5
SSE		1.3										1.3	5.0
S	.7	1.3	3.3	.7								6.0	7.8
SSW		.7	4.0	.7								5.3	8.8
SW		.7	3.3	.7								4.7	9.0
WSW	.7	1.3	.7	2.0								4.7	9.6
W	1.3	2.0	8.0	10.7	2.0							24.0	11.1
WNW	.7	4.0	6.0	5.3	1.3							17.3	9.5
NW	.7	.7	2.0	3.3	.7							6.7	11.5
NNW		1.3	1.3									3.3	5.8
VARBL													
CALM												4.0	
	9.3	24.7	34.0	24.0	4.0							100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



## SURFACE WINDS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATIONLAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

NOV  
MONTHALL WEATHER  
CLASS

13

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	.7									1.3	8.0
NNE		2.0										2.0	5.0
NE		1.3	.7									2.0	5.3
ENE	1.3		4.0		.7							6.0	8.8
E		2.0	.7									2.7	4.8
ESE	.7	.7	2.0									3.3	6.2
SE		.7	.7									1.3	5.5
SSE			.7	.7								1.3	10.0
S	.7	2.0	1.3	1.3								5.3	7.6
SSW	1.3	.7	2.7	2.7								7.3	8.2
SW		2.0	1.3	2.7								6.0	9.4
WSW		.7	4.0	3.3	.7							8.7	11.2
W	2.0	3.3	2.7	12.7	2.0							22.7	11.5
WNW		1.3	6.7	4.7	1.3							14.0	11.0
NW		1.3	4.0	3.3								8.7	9.8
NNW		2.0	1.3	.7								4.0	8.2
VARBL													
CALM												3.3	
	6.0	20.7	33.3	32.0	4.7							100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY

STATION NAME

73-77

YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.0										3.3	3.4
NNE	.7	.7										1.3	2.5
NE	.7	.7										1.3	4.0
ENE		2.0	.7	.7								3.3	7.2
E		3.3	2.0									5.3	6.0
ESE		2.7	.7									3.3	5.0
SE		3.3	1.3									4.7	5.4
SSE	.7	1.3	.7									2.7	5.0
S	1.3	1.3	2.7	.7								6.0	6.4
SSW	.7	2.0	2.0	1.3								6.0	7.2
SW	1.3	2.7	2.0	.7								6.7	6.1
WSW		1.3	5.3	2.0								8.7	8.7
W	4.0	4.7	6.7	6.7	1.3							23.3	8.7
WNW	.7	2.0	4.0	4.0								10.7	9.1
NW	.7	.7	4.7	2.7								8.7	9.3
NNW	1.3		2.7	.7								4.7	7.1
VARB													
CALM												.0	
	13.3	30.7	35.3	19.3	1.3							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

NDV  
MONTH

ALL WEATHER  
CLASS

19  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7										.7	4.0
NNE	2.0	.7	.7									3.3	4.4
NE	.7		.7									1.3	5.0
ENE		.7	1.3	1.3								3.3	9.8
E	.7	2.0	.7									3.3	5.0
ESE	1.3	.7										2.0	2.7
SE	1.3											1.3	3.0
SSE	2.7	1.3	1.3									5.3	5.4
S	2.7	5.3	.7									8.7	4.2
SSW	5.3	2.0	1.3									8.7	3.7
SW	4.7											4.7	2.4
WSW	.7	1.3	2.0	.7								4.7	6.3
W	4.0	3.3	3.3	2.7	.7							14.0	6.9
WNW	2.7	2.7	2.7	1.3	.7							10.0	7.1
NW	1.3	2.7	2.0	1.3								7.3	6.2
NNW	2.0											2.0	2.0
VARB													
CALM												19.3	
	32.0	23.3	16.7	7.3	1.3							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	.7										2.7	3.8
NNE	2.0	1.3										3.3	3.2
NE	.7	1.3	.7									2.7	4.8
ENE		.7	1.3	.7								2.7	9.5
E	.7		.7									1.3	5.0
ESE	1.3											1.3	2.0
SE	.7	.7										1.3	4.0
SSE	.7											.7	2.0
S	2.7	2.0	3.3	2.0								10.0	6.6
SSW	2.7	3.3	.7									6.7	4.1
SW	2.7	2.0	1.3									6.0	4.1
WSW	3.3	4.0	2.7									10.0	4.7
W	2.0	2.7	2.7	2.0		.7						10.0	8.2
WNW	2.0	2.7	4.0	.7								9.3	6.9
NW	1.3	3.3	2.7									7.3	5.9
NNW	.7											.7	3.0
VARBL													
CALM												24.0	
	25.3	24.0	20.7	5.3		.7						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	.8	.3									1.8	4.3
NNE	1.1	1.3	.2									2.6	4.0
NE	.6	.7	.6									1.9	4.7
ENE	.4	1.2	1.5	.4	.1							3.5	7.6
E	.6	1.3	.8	.2								3.0	5.5
ESE	.9	.8	.4									2.1	4.1
SE	.9	1.3	.3									2.5	4.1
SSE	.7	.8	.4	.1								2.0	5.2
S	1.7	2.2	1.9	.7								6.6	6.0
SSW	2.1	1.8	1.6	.6								6.1	5.6
SW	2.0	1.6	1.8	.6								6.0	6.0
WSW	1.5	3.2	2.8	1.1	.1							8.7	6.8
W	3.3	3.8	4.4	5.3	.8	.1						17.8	8.6
WNW	1.9	2.5	3.7	2.5	.5							11.0	8.1
NW	.8	1.9	2.2	2.2	.1							7.3	8.4
NNW	1.4	.7	.9	.2								3.2	5.3
VARBL													
CALM												13.9	
	20.6	26.1	23.7	14.0	1.6	.1						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

1080

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5											3.5	2.0
NNE	1.2		1.2									2.3	5.5
NE	1.2	2.3	2.3									5.8	6.0
ENE	1.2		1.2			1.2						3.5	11.7
E	1.2											1.2	2.0
ESE		1.2										1.2	6.0
SE	1.2											1.2	2.0
SSE			1.2									1.2	10.0
S			3.5	1.2	1.2							5.8	11.4
SSW	2.3		1.2									3.5	4.7
SW	2.3	2.3	2.3	1.2								8.1	6.3
WSW		2.3	1.2									3.5	6.7
W	2.3	3.5	3.5	1.2								10.5	6.9
WNW	1.2	1.2	3.5	2.3								8.1	8.7
NW	2.3	4.7			2.3							9.3	7.1
NNW	2.3	3.5	1.2									7.0	5.0
VARBL													
CALM												24.4	
	22.1	20.9	22.1	5.8	3.5	1.2						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

86



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	2.4	1.2									7.1	3.5
NNE		2.4										2.4	6.0
NE	2.4		1.2	1.2								4.7	6.3
ENE		1.2	1.2									2.4	7.5
E		1.2		1.2								2.4	8.5
ESE		1.2										1.2	6.0
SE		1.2										1.2	5.0
SSE	2.4		1.2									3.5	3.7
S			1.2									1.2	7.0
SSW				2.4								2.4	12.0
SW	1.2	3.5	1.2	1.2								7.1	6.5
WSW	1.2		1.2									2.4	4.5
W	2.4	5.9	2.4	3.5								14.1	6.7
WNW	1.2	2.4	4.7	2.4								10.6	7.3
NW	3.5	2.4	2.4	1.2	1.2							10.6	7.9
NNW	2.4	2.4										4.7	3.0
VARBL													
CALM												22.4	
	20.0	25.9	17.6	12.9	1.2							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

85

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	1.9	.6									5.8	4.0
NNE	1.9	1.3	.6	.6								4.5	5.0
NE	1.3		.6	.6								2.6	7.0
ENE	1.3		.6									1.9	4.7
E	.6	.6	.6	.6								2.6	7.5
ESE	.6		.6									1.3	6.0
SE		.6		.6								1.3	8.5
SSE	.6		1.3									1.9	7.0
S	1.3	1.3	2.6									5.2	5.9
SSW	1.3	1.3	.6									3.2	4.6
SW	1.9	.6	1.3									3.9	4.2
WSW	1.3	1.9	1.3	.6								5.2	5.6
W	2.6	4.5	5.2	5.2	.6							18.1	7.9
WNW	.6	3.2	3.9	1.3								9.0	7.0
NW	2.6	1.9	.6	1.3								6.5	6.2
NNW	1.3	.6										1.9	3.7
VARBL													
CALM												25.2	
	22.6	20.0	20.6	11.0	.6							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	.6	2.6									5.2	5.4
NNE	.6	.6	1.9	.6								3.9	7.8
NE	1.9		1.3									3.2	4.6
ENE	.6	3.2	1.9									5.5	6.0
E		.6	.6	1.9								3.2	11.0
ESE	.6	1.9	.6									3.2	5.4
SE	.6	.6										1.3	4.0
SSE	.6	.6	.6	.6		.6						3.2	10.0
S	1.3	.6	5.2	.6								7.7	7.1
SSW		.6	1.3	1.3								3.2	9.4
SW	1.3	1.3	2.6	.6								5.8	6.3
WSW	1.3	1.3	1.9	.6								5.2	6.8
W	.6	1.3	5.2	2.6	.6							10.3	9.8
WNW	2.6	1.3	4.5	8.4	1.9							18.7	10.6
NW		1.9	5.8	1.9	1.3							11.0	10.3
NNW		3.2	.6									3.9	6.0
VARBL													
CALM												5.2	
	14.2	20.0	36.8	19.4	3.9	.6						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

13  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	.6	.6								1.3	5.5
NNE	1.3	1.9	1.3	.6								5.2	5.9
NE	1.9	1.3	.6									3.9	5.2
ENE	.6	.6	.6									1.9	5.0
E	1.3	1.3	.6	1.9	.6							5.2	9.4
ESE		1.3	.6									1.9	5.3
SE		1.3										1.3	5.5
SSE	.6	1.9	1.9	.6								5.2	7.5
S	.6	1.3	3.2	3.2								8.4	8.8
SSW	.6	1.3	1.3	1.3								3.2	8.0
SW	.6	1.3	1.3	.6	.6							3.9	8.0
WSW	.6	4.5	3.2	1.9	.6							11.0	7.9
W		1.3	5.2	5.2	1.3	.6						13.5	12.2
WNW	.6	1.3	3.2	9.0	1.9							16.1	12.2
NW	1.3	2.6	3.9	1.9	.6	.6						11.0	9.6
NNW	.6	1.3	1.3	1.9								5.2	9.3
VARBL													
CALM												1.9	
	11.0	23.9	28.4	27.7	5.8	1.3						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.9										3.2	4.0
NNE	1.9	2.6	1.3	.6								6.5	5.4
NE	.6	.6	1.3									2.6	6.3
ENE		.6										.6	4.0
E	.6	2.6	.6			.6						4.5	7.4
ESE		1.9	.6									2.6	5.3
SE	.6	1.3										1.9	3.3
SSE	.6				.6							1.3	10.5
S	.6	1.9	4.5	1.3								8.4	7.4
SSW	.6	2.6	1.3	.6								5.2	6.6
SW	1.9	.6	.6	.6								3.9	5.8
WSW	.6	2.6	1.3									4.5	5.9
W	2.6	5.2	7.1	3.2	.6							18.7	7.9
WNW		3.9	8.4	5.2	1.3							18.7	9.7
NW	1.3	1.9	3.9	1.9								9.0	8.4
NNW		1.3	1.3	.6								3.2	8.2
VARBL													
CALM												5.2	
	13.5	31.6	32.3	14.2	2.6	.6						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

DEC  
MONTH

7225

ALL WEATHER  
CLASS

19  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.3	.6									4.3	3.4
NNE													
NE	1.3		1.3									3.2	5.6
ENE			1.3		.6							1.9	11.7
E	2.6	1.3	.6			.6						5.2	6.4
ESE		1.3										1.3	5.0
SE	1.3	.6										1.9	3.3
SSE			.6									.6	7.0
S	2.6	2.6	2.6	1.3								9.0	6.0
SSW	1.3	1.9	1.3									4.3	4.9
SW	1.9	.6	1.3									3.9	4.7
WSW		2.6	.6									3.2	4.8
W	2.6	5.2	3.2	3.2	.6		.6					15.3	8.7
WNW	2.6	1.3	2.6	1.9								8.4	7.4
NW	1.3	2.6	.6	1.9	.6							7.1	8.0
NNW	1.3	.6	1.3	.6								3.9	5.8
VARBL													
CALM												25.8	
	21.3	21.9	18.7	9.0	1.9	.6	.6					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.6	.6								1.3	4.0
NNE	1.3	.6	1.3	.6								2.6	4.0
NE	.6	.6	1.3	.6								2.6	9.0
ENE	.6	.6	.6	.6		.6						3.2	10.8
E	.6	.6										1.3	3.0
ESE			1.3									1.3	7.5
SE	.6	1.3										1.9	3.7
SSE	1.3	1.3	.6	.6								2.6	7.0
S	1.3	1.9		.6		.6						4.5	7.6
SSW	2.6	.6	1.3									4.5	4.4
SW		1.9	1.3	.6								3.9	8.3
WSW	1.3	.6	1.3	.6								3.9	6.2
W	2.6	2.6	4.5	3.2	1.9							14.9	8.8
WNW	3.2	1.3	.6	3.2								8.4	6.8
NW	1.3	1.3	3.2	.6	1.9							8.4	9.5
NNW	3.2		1.3									4.5	3.7
VARBL													
CALM												29.9	
	18.8	16.9	18.2	11.0	3.9	1.3						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.3	.7									3.8	4.0
NNE	1.1	1.2	.9	.4								3.5	5.7
NE	1.3	.5	1.3	.3								3.4	6.1
ENE	.5	.8	.9	.1	.1	.2						2.6	7.8
E	.9	1.1	.4	.7	.1	.2						3.4	7.8
ESE	.2	1.1	.5									1.8	5.7
SE	.5	.9		.1								1.5	4.4
SSE	.5	.5	.9	.3	.1	.1						2.5	7.7
S	1.1	1.4	2.9	1.1	.1	.1						6.6	7.5
SSW	1.1	1.0	1.1	.6								3.8	6.4
SW	1.4	1.4	1.5	.5	.1							4.7	6.3
WSW	.8	2.1	1.5	.5	.1							5.1	6.5
W	1.9	3.5	4.7	3.5	.8	.1	.1					14.7	8.7
WNW	1.5	2.0	3.9	4.5	.7							12.6	9.4
NW	1.5	2.3	2.7	1.5	.9	.1						9.0	8.7
NNW	1.3	1.5	.9	.5								4.1	5.9
VARBL													
CALM												16.7	
	17.5	22.5	24.9	14.5	3.0	.7	.1					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

1100

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

ALL  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.4	.6	.0								3.3	4.4
NNE	1.1	.9	.4	.1								2.6	4.5
NE	1.0	.9	1.0	.1								2.9	5.3
ENE	.8	1.1	1.2	.3	.0	.0						3.6	6.5
E	1.1	1.6	1.2	.3	.0	.0						4.2	6.0
ESE	.9	1.3	.6	.1								2.9	5.0
SE	.9	1.5	.9	.1								3.4	5.4
SSE	1.3	1.2	1.1	.3	.0	.0						3.9	5.8
S	1.8	2.0	1.9	.8	.1	.0						6.6	6.5
SSW	1.2	1.4	1.5	.6	.0							4.7	6.4
SW	1.6	1.5	1.7	.6	.1							5.4	6.2
WSW	1.5	2.1	2.0	1.0	.2	.0						6.7	6.8
W	2.3	3.1	3.9	2.9	.7	.1	.0	.0				13.1	8.4
WNW	1.8	2.0	2.7	2.4	.4	.2	.1					9.4	8.6
NW	1.3	2.0	2.5	1.7	.3	.1						7.8	8.2
NNW	1.3	1.3	1.3	.5	.0	.0						4.4	6.1
VARBL													
CALM												14.9	
	21.2	25.4	24.5	11.7	1.8	.3	.1	.0				100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

13128

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77  
YEARS

ALL  
MONTH

INSTRUMENT

ALL  
HOURS (L.S.T.)

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE,  
CLASS

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE  
CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.0	1.0	.0								4.8	4.6
NNE	2.0	1.9	1.0	.3								5.2	5.1
NE	1.5	2.1	3.5	.2								7.4	6.2
ENE	1.6	2.2	3.7	1.4	.2	.1						9.2	7.7
E	2.0	2.3	2.8	1.2	.1	.1						8.5	7.0
ESE	1.5	1.9	.9	.3								4.6	5.4
SE	1.2	2.5	1.2	.3								5.1	5.6
SSE	1.3	1.1	1.5	.7	.0	.2						4.9	7.5
S	1.7	1.5	2.1	1.1	.2							6.6	7.2
SSW	.9	1.4	1.4	.9								4.7	7.0
SW	1.3	1.0	.6	.3								3.2	5.2
WSW	1.7	1.9	1.5	.1	.1							5.3	5.2
W	2.1	2.5	1.5	.5	.2		.0					6.8	5.9
WNW	1.3	1.2	1.0	.3	.0		.0					3.9	6.1
NW	.8	1.0	.6	.1								2.5	5.3
NNW	1.3	.9	.7	.1		.0						3.0	4.9
VARBL													
CALM												14.2	
	23.9	27.3	25.2	8.0	.9	.4	.1					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

2077



## PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.



# EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq 0$
NO CEILING													
$\geq 1800$													
$\geq 1500$					91.0								92.6
$\geq 1200$													
$\geq 1000$													
$\geq 900$													
$\geq 800$													
$\geq 700$													
$\geq 600$													
$\geq 500$									97.4				98.1
$\geq 400$													
$\geq 300$													
$\geq 200$													
$\geq 100$					95.4		96.9			98.3			
$\geq 0$													100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

## PART D

### ADDITIONAL EXAMPLES

#### EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling  $< 1500$  feet and/or visibility  $< 3$  miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling  $< 1500$  feet and/or visibility  $< 3$  miles.

Likewise, the percentage of observations with ceiling  $< 500$  feet and/or visibility  $< 1$  mile is 2.6, obtained by subtracting 97.4 from 100.0.

#### EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $> 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $> 500$  feet with visibility  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

## PART D

## SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75

YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	30.1	44.1	44.1	44.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	46.2
≥ 20000	31.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4	48.4	49.5	49.5	49.5
≥ 18000	31.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4	48.4	49.5	49.5	49.5
≥ 16000	31.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4	48.4	49.5	49.5	49.5
≥ 14000	31.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4	48.4	49.5	49.5	49.5
≥ 12000	33.3	49.5	49.5	49.5	50.5	50.5	50.5	51.6	51.6	51.6	51.6	51.6	52.7	52.7	52.7
≥ 10000	34.4	50.5	50.5	50.5	51.6	51.6	51.6	52.7	52.7	52.7	52.7	52.7	53.8	53.8	53.8
≥ 9000	35.5	52.7	52.7	52.7	53.8	53.8	53.8	54.8	54.8	54.8	54.8	54.8	55.9	55.9	55.9
≥ 8000	41.9	62.4	62.4	62.4	63.4	63.4	63.4	64.5	64.5	64.5	64.5	64.5	65.6	65.6	65.6
≥ 7000	41.9	64.5	64.5	64.5	65.6	65.6	65.6	66.7	66.7	66.7	66.7	66.7	67.7	67.7	67.7
≥ 6000	41.9	64.5	64.5	64.5	65.6	65.6	65.6	66.7	66.7	66.7	66.7	66.7	67.7	67.7	67.7
≥ 5000	44.1	66.7	66.7	66.7	67.7	67.7	67.7	68.8	68.8	68.8	68.8	68.8	69.9	69.9	69.9
≥ 4500	46.2	69.9	69.9	69.9	71.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	73.1	73.1	73.1
≥ 4000	47.3	71.0	71.0	71.0	72.0	72.0	72.0	73.1	73.1	73.1	73.1	73.1	74.2	74.2	74.2
≥ 3500	47.3	71.0	71.0	72.0	73.1	73.1	73.1	74.2	74.2	74.2	74.2	74.2	75.3	75.3	75.3
≥ 3000	48.4	74.2	74.2	75.3	76.3	76.3	76.3	77.4	77.4	77.4	77.4	77.4	78.5	78.5	78.5
≥ 2500	49.5	76.3	76.3	77.4	78.5	78.5	78.5	80.7	80.7	80.7	80.7	80.7	81.7	81.7	81.7
≥ 2000	49.5	78.5	78.5	79.6	80.7	80.7	80.7	82.8	82.8	82.8	82.8	82.8	83.9	83.9	83.9
≥ 1800	49.5	78.5	78.5	79.6	80.7	80.7	80.7	82.8	82.8	82.8	82.8	82.8	83.9	83.9	83.9
≥ 1500	50.5	79.6	79.6	80.7	81.7	81.7	81.7	83.9	83.9	83.9	83.9	83.9	85.0	85.0	85.0
≥ 1200	50.5	79.6	79.6	80.7	81.7	81.7	81.7	83.9	83.9	83.9	83.9	83.9	85.0	85.0	85.0
≥ 1000	50.5	79.6	79.6	80.7	81.7	81.7	81.7	83.9	83.9	83.9	83.9	83.9	85.0	85.0	85.0
≥ 900	50.5	80.7	80.7	81.7	82.8	82.8	82.8	85.0	85.0	85.0	85.0	85.0	86.0	86.0	86.0
≥ 800	50.5	81.7	81.7	82.8	83.9	83.9	83.9	85.0	85.0	85.0	85.0	85.0	86.0	86.0	86.0
≥ 700	50.5	81.7	81.7	82.8	83.9	83.9	83.9	85.0	85.0	85.0	85.0	85.0	86.0	86.0	86.0
≥ 600	50.5	82.8	82.8	83.9	85.0	85.0	85.0	86.0	86.0	86.0	86.0	86.0	87.1	87.1	87.1
≥ 500	50.5	82.8	82.8	83.9	85.0	85.0	85.0	86.0	86.0	86.0	86.0	86.0	87.1	87.1	87.1
≥ 400	50.5	82.8	82.8	83.9	85.0	85.0	85.0	86.0	86.0	86.0	86.0	86.0	87.1	87.1	87.1
≥ 300	50.5	82.8	82.8	83.9	85.0	85.0	85.0	86.0	86.0	86.0	86.0	86.0	87.1	87.1	87.1
≥ 200	50.5	82.8	82.8	83.9	85.0	85.0	85.0	86.0	86.0	86.0	86.0	86.0	87.1	87.1	87.1
≥ 100	50.5	82.8	82.8	83.9	85.0	85.0	85.0	86.0	86.0	86.0	86.0	86.0	87.1	87.1	87.1
≥ 0	50.5	82.8	82.8	83.9	85.0	85.0	85.0	86.0	86.0	86.0	86.0	86.0	87.1	87.1	87.1

TOTAL NUMBER OF OBSERVATIONS

93

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75

YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	32.3	45.2	47.3	49.5	49.5	49.5	49.5	50.5	50.5	50.5	50.5	50.5
≥ 20000	37.6	51.6	53.8	55.9	55.9	55.9	55.9	57.0	57.0	58.1	58.1	58.1
≥ 18000	37.6	51.6	53.8	55.9	55.9	55.9	55.9	57.0	57.0	58.1	58.1	58.1
≥ 16000	37.6	51.6	53.8	55.9	55.9	55.9	55.9	57.0	57.0	58.1	58.1	58.1
≥ 14000	37.6	51.6	53.8	55.9	55.9	55.9	55.9	57.0	57.0	58.1	58.1	58.1
≥ 12000	39.8	53.8	55.9	58.1	58.1	58.1	58.1	59.1	59.1	60.2	60.2	60.2
≥ 10000	40.9	54.8	57.0	59.1	59.1	59.1	59.1	60.2	60.2	61.3	61.3	61.3
≥ 9000	40.9	54.8	57.0	59.1	59.1	59.1	59.1	60.2	60.2	61.3	61.3	61.3
≥ 8000	41.9	55.9	58.1	60.2	60.2	60.2	60.2	61.3	61.3	62.4	62.4	62.4
≥ 7000	41.9	55.9	58.1	60.2	60.2	60.2	60.2	61.3	61.3	62.4	62.4	62.4
≥ 6000	43.0	58.1	60.2	62.4	62.4	62.4	62.4	63.4	63.4	64.5	64.5	64.5
≥ 5000	43.0	58.1	60.2	62.4	62.4	62.4	62.4	63.4	63.4	64.5	64.5	64.5
≥ 4500	45.2	61.3	63.4	65.6	65.6	65.6	65.6	66.7	66.7	67.8	67.8	67.8
≥ 4000	46.2	62.4	64.5	66.7	66.7	66.7	66.7	67.8	67.8	68.9	68.9	68.9
≥ 3500	47.3	65.6	67.8	69.9	69.9	69.9	69.9	71.0	71.0	72.1	72.1	72.1
≥ 3000	48.4	67.8	69.9	72.1	72.1	72.1	72.1	73.1	73.1	74.2	74.2	74.2
≥ 2500	49.5	69.9	72.1	74.2	74.2	74.2	74.2	75.3	75.3	76.4	76.4	76.4
≥ 2000	49.5	69.9	72.1	74.2	74.2	74.2	74.2	75.3	75.3	76.4	76.4	76.4
≥ 1800	49.5	69.9	72.1	74.2	74.2	74.2	74.2	75.3	75.3	76.4	76.4	76.4
≥ 1500	49.5	69.9	72.1	74.2	74.2	74.2	74.2	75.3	75.3	76.4	76.4	76.4
≥ 1200	49.5	69.9	72.1	74.2	74.2	74.2	74.2	75.3	75.3	76.4	76.4	76.4
≥ 1000	49.5	69.9	72.1	74.2	74.2	74.2	74.2	75.3	75.3	76.4	76.4	76.4
≥ 900	49.5	69.9	72.1	74.2	74.2	74.2	74.2	75.3	75.3	76.4	76.4	76.4
≥ 800	49.5	69.9	72.1	74.2	74.2	74.2	74.2	75.3	75.3	76.4	76.4	76.4
≥ 700	49.5	69.9	72.1	74.2	74.2	74.2	74.2	75.3	75.3	76.4	76.4	76.4
≥ 600	49.5	69.9	72.1	74.2	74.2	74.2	74.2	75.3	75.3	76.4	76.4	76.4
≥ 500	49.5	69.9	72.1	74.2	74.2	74.2	74.2	75.3	75.3	76.4	76.4	76.4
≥ 400	49.5	69.9	72.1	74.2	74.2	74.2	74.2	75.3	75.3	76.4	76.4	76.4
≥ 300	49.5	69.9	72.1	74.2	74.2	74.2	74.2	75.3	75.3	76.4	76.4	76.4
≥ 200	49.5	69.9	72.1	74.2	74.2	74.2	74.2	75.3	75.3	76.4	76.4	76.4
≥ 100	49.5	69.9	72.1	74.2	74.2	74.2	74.2	75.3	75.3	76.4	76.4	76.4
0	49.5	69.9	72.1	74.2	74.2	74.2	74.2	75.3	75.3	76.4	76.4	76.4

TOTAL NUMBER OF OBSERVATIONS

93



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	23.2	40.0	41.9	41.9	42.6	43.9	43.9	44.5	44.5	44.5	45.2	45.2
≥ 20000	26.5	45.2	47.1	47.1	47.7	49.0	49.0	49.7	50.3	50.3	51.0	51.0
≥ 18000	26.5	45.2	47.1	47.1	47.7	49.0	49.0	49.7	50.3	50.3	51.0	51.0
≥ 16000	26.5	45.2	47.1	47.1	47.7	49.0	49.0	49.7	50.3	50.3	51.0	51.0
≥ 14000	26.5	45.2	47.1	47.1	47.7	49.0	49.0	49.7	50.3	50.3	51.0	51.0
≥ 12000	27.1	45.8	47.7	47.7	48.4	49.7	49.7	50.3	51.0	51.0	51.6	51.6
≥ 10000	28.4	49.7	51.6	51.6	52.3	53.6	53.6	54.2	54.8	54.8	55.5	55.5
≥ 9000	28.4	49.7	51.6	51.6	52.3	53.6	53.6	54.2	54.8	54.8	55.5	55.5
≥ 8000	29.7	52.3	54.2	54.2	54.8	56.1	56.1	56.8	57.4	57.4	58.1	58.1
≥ 7000	31.0	53.6	55.5	55.5	56.1	57.4	57.4	58.1	58.7	58.7	59.4	59.4
≥ 6000	31.6	54.8	56.8	56.8	57.4	58.7	58.7	59.4	60.0	60.0	60.7	60.7
≥ 5000	32.9	56.1	58.1	58.1	58.7	60.0	60.0	60.7	61.3	61.3	61.9	61.9
≥ 4500	34.8	59.4	61.3	61.3	61.9	63.2	63.2	63.9	64.5	64.5	65.2	65.2
≥ 4000	35.5	64.5	66.5	66.5	67.1	68.4	68.4	69.0	69.7	69.7	70.3	70.3
≥ 3500	36.8	67.1	69.0	69.0	69.7	71.0	71.0	71.6	72.3	72.3	72.9	72.9
≥ 3000	36.8	67.7	69.7	69.7	70.3	71.6	71.6	72.3	72.9	72.9	73.6	73.6
≥ 2500	36.8	67.7	69.7	69.7	70.3	71.6	71.6	72.3	72.9	72.9	73.6	73.6
≥ 2000	36.8	67.7	70.3	70.3	71.0	72.3	72.3	72.9	73.6	73.6	74.2	74.2
≥ 1800	36.8	67.7	71.0	71.0	71.6	72.9	72.9	73.6	74.2	74.2	74.8	74.8
≥ 1500	36.8	68.4	71.6	71.6	72.3	73.6	73.6	74.2	74.8	74.8	75.5	75.5
≥ 1200	37.4	69.0	72.3	72.3	72.9	74.2	74.2	74.8	75.5	75.5	76.1	76.1
≥ 1000	37.4	69.0	72.3	72.3	72.9	74.2	74.2	74.8	75.5	75.5	76.1	76.1
≥ 900	37.4	69.0	72.3	72.3	72.9	74.2	74.2	74.8	75.5	75.5	76.1	76.1
≥ 800	38.1	71.0	74.2	74.2	74.8	76.1	76.1	76.8	77.4	77.4	78.1	78.1
≥ 700	38.1	71.0	74.8	74.8	75.5	76.1	76.1	76.8	77.4	77.4	78.1	78.1
≥ 600	38.7	72.3	76.1	76.1	76.8	77.4	77.4	78.1	78.7	78.7	79.4	79.4
≥ 500	38.7	72.3	76.1	76.1	76.8	77.4	77.4	78.1	78.7	78.7	79.4	79.4
≥ 400	38.7	72.3	76.1	76.1	76.8	77.4	77.4	78.1	78.7	78.7	79.4	79.4
≥ 300	38.7	72.3	76.1	76.1	76.8	77.4	77.4	78.1	78.7	78.7	79.4	79.4
≥ 200	38.7	72.3	76.1	76.1	76.8	77.4	77.4	78.1	78.7	78.7	79.4	79.4
≥ 100	38.7	72.3	76.1	76.1	76.8	77.4	77.4	78.1	78.7	78.7	79.4	79.4
0	38.7	72.3	76.1	76.1	76.8	77.4	77.4	78.1	78.7	78.7	79.4	79.4

TOTAL NUMBER OF OBSERVATIONS

155



## CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATIONLAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

JAN  
MONTH

10

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	25.8	45.8	46.5	47.1	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 20000	29.7	51.0	51.6	52.3	52.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 18000	29.7	51.0	51.6	52.3	52.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 16000	29.7	51.0	51.6	52.3	52.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 14000	29.7	51.0	51.6	52.3	52.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 12000	29.7	51.0	51.6	52.3	52.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 10000	32.3	54.8	55.5	56.8	57.4	58.7	59.4	59.4	59.4	59.4	59.4	59.4
≥ 9000	32.3	54.8	55.5	56.8	57.4	58.7	60.0	60.0	60.0	60.0	60.0	60.0
≥ 8000	34.2	58.1	58.7	60.0	60.7	61.9	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	36.1	61.3	61.9	63.2	63.9	65.2	66.5	66.5	66.5	66.5	66.5	66.5
≥ 6000	36.8	63.2	63.9	65.2	65.8	67.1	68.4	68.4	68.4	69.0	69.0	69.0
≥ 5000	37.4	63.9	64.5	66.5	67.1	68.4	69.7	69.7	70.3	70.3	70.3	70.3
≥ 4500	38.7	67.1	67.7	69.7	70.3	71.6	72.9	72.9	73.6	73.6	73.6	73.6
≥ 4000	40.7	69.0	70.3	72.3	72.9	74.8	76.1	76.1	76.8	76.8	76.8	76.8
≥ 3500	41.9	70.3	72.3	74.2	75.5	77.4	78.7	78.7	79.4	79.4	79.4	79.4
≥ 3000	41.9	70.3	72.3	74.2	76.8	78.7	80.0	80.0	80.7	80.7	80.7	80.7
≥ 2500	41.9	71.0	72.9	75.5	78.1	80.0	81.3	81.3	81.9	81.9	81.9	81.9
≥ 2000	41.9	71.6	73.6	76.1	78.7	80.7	81.9	81.9	82.6	82.6	82.6	82.6
≥ 1800	41.9	71.6	73.6	76.1	78.7	80.7	81.9	81.9	82.6	82.6	82.6	82.6
≥ 1500	42.6	73.6	75.5	78.1	81.3	83.2	84.5	84.5	85.2	85.2	85.2	85.2
≥ 1200	43.2	74.8	76.8	79.4	82.6	84.5	85.8	85.8	86.5	86.5	86.5	86.5
≥ 1000	43.2	75.5	77.4	80.0	83.2	85.2	86.5	86.5	87.1	87.1	87.1	87.1
≥ 900	43.2	75.5	77.4	80.0	83.9	85.8	87.7	87.7	88.4	88.4	88.4	88.4
≥ 800	43.2	75.5	77.4	80.0	83.9	86.5	88.4	88.4	89.0	89.0	89.0	89.0
≥ 700	43.2	75.5	77.4	80.0	83.9	86.5	88.4	89.0	89.7	89.7	89.7	89.7
≥ 600	43.2	75.5	77.4	80.7	84.5	87.1	89.7	91.0	91.6	91.6	91.6	91.6
≥ 500	43.2	76.1	78.1	81.9	85.8	88.4	91.6	92.9	93.6	93.6	94.2	94.2
≥ 400	43.2	76.1	78.7	82.6	86.5	89.0	92.9	94.2	94.8	95.5	96.1	96.1
≥ 300	43.2	76.1	78.7	82.6	86.5	89.0	92.9	94.2	94.8	95.5	96.1	96.1
≥ 200	43.2	76.8	79.4	83.2	87.1	89.7	93.6	95.5	96.1	96.8	97.4	97.4
≥ 100	43.2	76.8	79.4	83.2	87.1	89.7	93.6	95.5	96.1	96.8	97.4	97.4
≥ 0	43.2	76.8	79.4	83.2	87.1	89.7	93.6	95.5	96.1	96.8	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

155

## CEILING VERSUS VISIBILITY

14780  
STATIONLAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

JAN  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)13  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	24.5	40.7	40.7	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000	29.0	48.4	48.4	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 18000	29.0	48.4	48.4	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 16000	29.0	48.4	48.4	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 14000	29.7	49.0	49.0	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 12000	29.7	49.0	49.0	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 10000	32.9	54.8	54.8	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 9000	32.9	55.5	55.5	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 8000	34.2	58.1	58.1	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 7000	35.5	62.6	63.2	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 6000	35.5	62.6	63.2	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 5000	35.5	62.6	63.2	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4500	36.1	63.9	64.5	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4000	38.7	68.4	69.7	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3500	41.3	71.6	72.9	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3000	41.9	72.9	74.2	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2500	43.2	75.5	76.8	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2000	43.9	78.1	79.4	81.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1800	43.9	78.1	79.4	81.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1500	43.9	78.7	80.0	81.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1200	43.9	78.7	80.0	83.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1000	43.9	79.4	80.7	83.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 900	43.9	79.4	80.7	83.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 800	43.9	79.4	80.7	83.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 700	43.9	79.4	80.7	83.9	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 600	43.9	80.0	81.3	84.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 500	43.9	80.0	81.9	85.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 400	43.9	80.0	81.9	85.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 300	43.9	80.0	81.9	85.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 200	43.9	80.0	81.9	85.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 100	43.9	80.0	81.9	85.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
0	43.9	80.0	81.9	85.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	29.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000	35.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000	35.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 16000	35.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 14000	36.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 12000	36.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 10000	36.1	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 9000	38.1	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
8000	39.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
7000	40.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
6000	40.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
5000	41.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
4500	41.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
4000	42.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
3500	43.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
3000	44.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
2500	45.2	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
2000	45.2	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
1800	45.2	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
1500	45.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
1200	45.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
1000	45.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
900	45.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
800	45.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
700	45.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
600	45.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
500	45.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
400	45.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
300	45.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
200	45.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
100	45.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
0	45.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	32.3	51.6	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000	36.1	60.0	60.7	61.3	61.3	61.3	61.3	61.9	61.9	61.9	61.9	61.9
≥ 18000	36.1	60.0	60.7	61.3	61.3	61.3	61.3	61.9	61.9	61.9	61.9	61.9
≥ 16000	36.1	60.0	60.7	61.3	61.3	61.3	61.3	61.9	61.9	61.9	61.9	61.9
≥ 14000	36.1	60.0	60.7	61.3	61.3	61.3	61.3	61.9	61.9	61.9	61.9	61.9
≥ 12000	37.4	61.9	62.6	63.2	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9
≥ 10000	38.7	64.5	65.2	65.8	65.8	65.8	66.5	66.5	66.5	66.5	66.5	66.5
≥ 9000	39.4	65.2	65.8	66.5	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1
≥ 8000	41.9	68.4	69.0	69.7	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3
≥ 7000	41.9	69.7	70.3	71.0	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6
≥ 6000	41.9	69.7	70.3	71.0	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6
≥ 5000	43.2	71.0	71.6	72.3	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4500	43.9	72.9	73.6	74.2	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4000	43.9	74.8	75.5	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3500	43.9	74.8	75.5	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3000	43.9	76.1	76.8	77.4	77.4	77.4	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500	43.9	79.4	80.7	81.3	81.3	81.3	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	44.5	80.7	81.3	82.6	82.6	82.6	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1800	44.5	81.3	82.6	83.2	83.2	83.2	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1500	44.5	81.9	83.2	83.9	83.9	83.9	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1200	44.5	81.9	83.9	84.5	84.5	84.5	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1000	44.5	82.6	84.5	85.2	85.2	85.2	87.7	87.7	87.7	87.7	87.7	87.7
≥ 900	44.5	82.6	84.5	85.2	85.2	85.2	87.7	87.7	87.7	87.7	87.7	87.7
≥ 800	44.5	82.6	85.2	85.8	85.8	85.8	88.4	88.4	88.4	88.4	88.4	88.4
≥ 700	44.5	83.2	86.5	87.1	87.1	87.1	91.6	91.6	91.6	92.3	92.3	92.3
≥ 600	44.5	83.2	86.5	87.1	87.1	87.1	91.6	92.3	92.3	92.9	92.9	92.9
≥ 500	44.5	84.5	87.7	89.7	89.7	89.7	94.8	94.8	94.8	95.5	95.5	95.5
≥ 400	44.5	84.5	87.7	89.7	89.7	89.7	94.8	94.8	94.8	95.5	96.1	96.1
≥ 300	44.5	84.5	88.4	90.3	90.3	90.3	94.8	95.5	95.5	96.1	97.4	97.4
≥ 200	44.5	84.5	88.4	90.3	91.0	91.0	95.5	96.8	96.8	97.4	99.4	99.4
≥ 100	44.5	84.5	88.4	90.3	91.0	91.0	95.5	96.8	96.8	97.4	100.0	100.0
≥ 0	44.5	84.5	88.4	90.3	91.0	91.0	95.5	96.8	96.8	97.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	25.8	51.6	52.3	52.9	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	30.3	61.3	61.9	62.6	63.2	63.2	63.9	64.5	64.5	64.5	64.5	64.5	64.5
≥ 18000	30.3	61.3	61.9	62.6	63.2	63.2	63.9	64.5	64.5	64.5	64.5	64.5	64.5
≥ 16000	30.3	61.3	61.9	62.6	63.2	63.2	63.9	64.5	64.5	64.5	64.5	64.5	64.5
≥ 14000	30.3	61.3	61.9	62.6	63.2	63.2	63.9	64.5	64.5	64.5	64.5	64.5	64.5
≥ 12000	31.0	61.9	62.6	63.2	63.9	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2
≥ 10000	32.3	63.9	64.5	65.2	65.8	65.8	66.5	67.1	67.1	67.1	67.1	67.1	67.1
≥ 9000	33.6	65.2	65.8	66.5	67.1	67.1	67.7	68.4	68.4	68.4	68.4	68.4	68.4
≥ 8000	36.8	70.3	71.0	71.6	72.3	72.3	72.9	73.6	73.6	73.6	73.6	73.6	73.6
≥ 7000	36.8	70.3	71.0	71.6	72.3	72.3	72.9	73.6	73.6	73.6	73.6	73.6	73.6
≥ 6000	36.8	70.3	71.0	71.6	72.3	72.3	72.9	73.6	73.6	73.6	73.6	73.6	73.6
≥ 5000	38.1	71.6	72.3	72.9	73.6	73.6	74.2	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4500	39.4	72.9	73.6	74.2	74.8	74.8	75.5	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4000	41.9	76.1	77.4	78.1	78.7	78.7	79.4	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500	42.6	78.1	79.4	80.0	80.7	80.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3000	42.6	78.1	79.4	80.0	80.7	80.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2500	43.2	79.4	80.7	81.3	82.0	82.0	82.6	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	43.2	81.3	82.6	83.2	84.5	84.5	85.2	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1800	43.9	81.9	83.2	84.5	85.2	85.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1500	43.9	82.6	83.9	85.2	85.8	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1200	43.9	82.6	84.5	85.8	86.5	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1000	44.5	83.2	85.2	86.5	87.1	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4
≥ 900	44.5	83.2	85.2	86.5	87.1	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4
≥ 800	44.5	83.2	85.2	86.5	87.1	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4
≥ 700	44.5	83.2	85.2	87.1	87.7	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0
≥ 600	44.5	83.2	85.2	87.1	87.7	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0
≥ 500	44.5	83.2	85.2	87.1	87.7	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0
≥ 400	44.5	83.2	85.2	87.1	87.7	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0
≥ 300	44.5	83.2	85.2	87.1	87.7	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0
≥ 200	44.5	83.2	85.2	87.1	87.7	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0
≥ 100	44.5	83.2	85.2	87.1	87.7	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0
≥ 0	44.5	83.2	85.2	87.1	87.7	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	27.6	46.2	46.9	47.3	47.8	48.0	48.1	48.3	48.3	48.4	48.4	48.5	48.5
≥ 20000	31.7	52.9	53.6	54.1	54.6	54.9	55.2	55.5	55.6	55.7	55.7	55.8	55.8
≥ 18000	31.7	52.9	53.6	54.1	54.7	55.0	55.3	55.6	55.7	55.7	55.8	55.9	55.9
≥ 16000	31.7	52.9	53.6	54.1	54.7	55.0	55.3	55.6	55.7	55.7	55.8	55.9	55.9
≥ 14000	31.9	53.1	53.8	54.3	54.8	55.2	55.5	55.7	55.8	55.9	56.0	56.1	56.2
≥ 12000	32.7	54.0	54.8	55.3	55.8	56.2	56.5	56.7	56.8	56.9	57.0	57.1	57.2
≥ 10000	34.4	57.4	58.1	58.7	59.2	59.6	60.0	60.2	60.3	60.4	60.5	60.6	60.7
≥ 8000	34.8	57.9	58.6	59.2	59.8	60.1	60.6	60.8	60.9	61.0	61.1	61.2	61.3
≥ 7000	37.0	61.5	62.2	62.8	63.4	63.7	64.2	64.4	64.5	64.6	64.7	64.8	64.9
≥ 6000	37.8	63.5	64.3	65.0	65.5	65.9	66.3	66.7	66.9	66.9	67.0	67.2	67.3
≥ 5000	38.1	64.2	65.0	65.6	66.1	66.5	67.0	67.4	67.6	67.7	67.8	68.0	68.1
≥ 4500	39.2	65.3	66.1	66.9	67.4	67.7	68.5	68.8	69.0	69.2	69.3	69.4	69.5
≥ 4000	40.3	67.6	68.4	69.1	69.6	70.0	70.7	71.1	71.2	71.4	71.5	71.7	71.8
≥ 3500	41.7	70.6	71.7	72.4	72.9	73.4	74.2	74.6	74.7	74.9	75.0	75.2	75.3
≥ 3000	42.7	72.7	73.8	74.7	75.5	75.9	76.7	77.2	77.3	77.5	77.6	77.8	77.9
≥ 2500	43.1	73.6	74.7	75.7	76.7	77.2	78.1	78.5	78.7	78.9	79.0	79.1	79.2
≥ 2000	43.6	75.2	76.4	77.7	78.8	79.2	80.3	80.7	80.9	81.1	81.2	81.4	81.5
≥ 1800	43.7	76.3	77.7	78.9	80.1	80.6	81.8	82.4	82.6	82.8	82.9	83.1	83.2
≥ 1500	43.8	76.4	78.0	79.2	80.4	80.8	82.1	82.7	82.9	83.1	83.2	83.3	83.4
≥ 1200	44.0	77.2	78.8	80.1	81.4	81.8	83.1	83.7	83.9	84.1	84.2	84.4	84.5
≥ 1000	44.3	77.8	79.5	81.0	82.4	82.8	84.1	84.8	85.0	85.2	85.3	85.5	85.6
≥ 900	44.4	78.3	80.0	81.5	82.9	83.4	84.9	85.5	85.7	85.9	86.0	86.2	86.3
≥ 800	44.4	78.5	80.3	81.8	83.2	83.8	85.4	86.0	86.2	86.5	86.6	86.7	86.8
≥ 700	44.4	78.9	80.7	82.4	83.8	84.5	86.2	86.9	87.1	87.4	87.5	87.6	87.7
≥ 600	44.4	79.1	81.3	83.0	84.6	85.5	87.5	88.4	88.5	88.8	89.1	89.3	89.3
≥ 500	44.5	79.5	81.6	83.4	85.4	86.4	88.7	89.9	90.1	90.4	90.7	90.9	91.0
≥ 400	44.5	79.8	82.2	84.4	86.7	87.7	90.2	91.4	91.6	92.0	92.4	92.7	92.8
≥ 300	44.5	79.8	82.3	84.5	86.8	88.0	91.0	92.7	92.8	93.5	94.3	94.5	94.6
≥ 200	44.5	79.9	82.4	84.9	87.3	88.5	91.6	93.6	93.7	94.6	95.3	96.2	96.3
≥ 100	44.5	80.0	82.5	85.0	87.5	88.9	91.9	94.6	94.6	95.8	97.4	98.3	98.4
≥ 0	44.5	80.0	82.5	85.0	87.5	88.9	91.9	94.6	94.6	96.1	97.2	98.8	99.0

1116

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75

YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (L S T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	36.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 20000	40.5	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 18000	40.5	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 16000	40.5	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 14000	40.5	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 12000	40.5	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 10000	41.7	64.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 9000	41.7	64.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 8000	42.9	67.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 7000	42.9	69.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 6000	42.9	69.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 5000	42.9	71.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 4500	44.1	73.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 4000	47.6	78.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3500	47.6	78.6	79.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3000	47.6	78.6	79.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 2500	48.8	79.8	81.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 2000	50.0	81.0	82.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1800	50.0	81.0	82.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1500	50.0	81.0	82.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1200	50.0	81.0	82.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1000	50.0	81.0	82.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 900	50.0	82.1	83.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 800	50.0	82.1	83.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 700	50.0	82.1	83.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 600	50.0	82.1	83.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 500	50.0	84.5	85.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 400	50.0	84.5	85.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 300	50.0	84.5	85.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 200	50.0	85.7	86.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 100	50.0	85.7	86.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
0	50.0	85.7	86.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3

TOTAL NUMBER OF OBSERVATIONS 84

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75

YEARS

FEB  
MONTH

04  
HOURS (L S T)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½
NO CEILING	32.1	41.7	41.7	41.7	42.9	42.9	44.1	44.1	44.1	44.1	44.1
≥ 20000	38.1	48.8	48.8	48.8	50.0	50.0	51.2	51.2	51.2	51.2	51.2
≥ 18000	38.1	48.8	48.8	48.8	50.0	50.0	51.2	51.2	51.2	51.2	51.2
≥ 16000	38.1	48.8	48.8	48.8	50.0	50.0	51.2	51.2	51.2	51.2	51.2
≥ 14000	38.1	48.8	48.8	48.8	50.0	50.0	51.2	51.2	51.2	51.2	51.2
≥ 12000	38.1	48.8	48.8	48.8	50.0	50.0	51.2	51.2	51.2	51.2	51.2
≥ 10000	39.3	53.6	53.6	53.6	54.8	54.8	56.0	56.0	56.0	56.0	56.0
≥ 9000	40.5	54.8	54.8	54.8	56.0	56.0	57.1	57.1	57.1	57.1	57.1
≥ 8000	42.9	59.5	59.5	59.5	60.7	60.7	61.9	61.9	61.9	61.9	61.9
≥ 7000	42.9	60.7	60.7	60.7	61.9	61.9	63.1	63.1	63.1	63.1	63.1
≥ 6000	42.9	60.7	60.7	60.7	61.9	61.9	63.1	63.1	63.1	63.1	63.1
≥ 5000	45.2	64.3	64.3	64.3	65.5	65.5	66.7	66.7	66.7	66.7	66.7
≥ 4500	47.6	69.1	69.1	69.1	70.2	70.2	71.4	71.4	71.4	71.4	71.4
≥ 4000	48.8	71.4	71.4	71.4	72.6	72.6	73.8	73.8	73.8	73.8	73.8
≥ 3500	48.8	75.0	75.0	75.0	77.4	77.4	78.6	78.6	78.6	78.6	78.6
≥ 3000	48.8	77.4	77.4	77.4	79.8	79.8	81.0	81.0	81.0	81.0	81.0
≥ 2500	48.8	77.4	77.4	77.4	79.8	79.8	81.0	81.0	81.0	81.0	81.0
≥ 2000	48.8	77.4	77.4	77.4	79.8	79.8	81.0	81.0	81.0	81.0	81.0
≥ 1800	48.8	78.6	78.6	78.6	81.0	81.0	82.1	82.1	82.1	82.1	82.1
≥ 1500	48.8	78.6	78.6	78.6	81.0	81.0	83.3	83.3	83.3	83.3	83.3
≥ 1200	48.8	78.6	78.6	78.6	81.0	81.0	83.3	83.3	83.3	83.3	83.3
≥ 1000	48.8	78.6	78.6	78.6	81.0	81.0	83.3	83.3	83.3	83.3	83.3
≥ 900	48.8	79.8	79.8	79.8	82.1	82.1	84.5	84.5	84.5	84.5	84.5
≥ 800	48.8	79.8	79.8	79.8	83.3	83.3	85.7	85.7	85.7	85.7	85.7
≥ 700	48.8	79.8	79.8	81.0	84.5	84.5	86.9	86.9	86.9	86.9	86.9
≥ 600	48.8	79.8	79.8	81.0	84.5	84.5	86.9	86.9	86.9	86.9	86.9
≥ 500	48.8	81.0	81.0	82.1	85.7	85.7	88.1	88.1	88.1	88.1	88.1
≥ 400	48.8	82.1	82.1	84.5	90.5	90.5	92.9	92.9	92.9	92.9	92.9
≥ 300	48.8	82.1	82.1	84.5	91.7	91.7	94.1	94.1	94.1	94.1	94.1
≥ 200	48.8	82.1	82.1	84.5	91.7	91.7	94.1	94.1	94.1	94.1	94.1
≥ 100	48.8	82.1	82.1	84.5	91.7	91.7	94.1	94.1	94.1	94.1	94.1
0	48.8	82.1	82.1	84.5	91.7	91.7	94.1	94.1	94.1	94.1	94.1

TOTAL NUMBER OF OBSERVATIONS

84



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

FEB  
MONTH

07  
HOURS (L S T)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	18.4	42.6	44.7	46.8	48.2	48.2	48.2	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 20000	21.3	47.5	49.7	52.5	53.9	53.9	53.9	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 18000	21.3	47.5	49.7	52.5	53.9	53.9	53.9	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 16000	21.3	47.5	49.7	52.5	53.9	53.9	53.9	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 14000	21.3	47.5	49.7	52.5	53.9	53.9	53.9	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 12000	21.3	47.5	49.7	52.5	53.9	53.9	53.9	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 10000	21.3	49.7	51.8	54.6	56.0	56.0	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 9000	21.3	50.4	52.5	55.3	56.7	56.7	56.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 8000	24.1	54.6	56.7	59.6	61.0	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 7000	24.1	58.9	61.0	63.8	65.3	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 6000	24.8	60.3	62.4	65.3	66.7	66.7	66.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 5000	24.8	61.0	63.1	66.0	67.4	67.4	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4500	24.8	63.1	65.3	68.1	69.5	69.5	69.5	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4000	25.5	66.0	68.1	70.9	72.3	72.3	72.3	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 3500	26.2	69.5	71.6	74.5	77.3	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3000	27.0	71.6	73.8	76.6	79.4	79.4	79.4	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2500	28.4	73.1	75.2	78.0	80.9	80.9	80.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2000	28.4	73.1	75.2	78.7	82.3	82.3	82.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1800	28.4	73.1	75.2	78.7	82.3	82.3	82.3	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1500	28.4	74.5	76.6	80.1	83.7	83.7	83.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1200	28.4	74.5	76.6	80.1	83.7	83.7	83.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1000	28.4	75.2	77.3	80.9	84.4	84.4	84.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 900	28.4	75.2	77.3	80.9	84.4	84.4	84.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 800	28.4	75.2	78.0	81.6	85.8	85.8	85.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 700	28.4	75.2	78.0	82.3	86.5	86.5	86.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 600	28.4	75.2	78.0	82.3	86.5	86.5	86.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 500	28.4	75.9	78.7	83.0	87.2	87.2	87.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 400	28.4	75.9	78.7	83.0	87.2	87.2	87.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 300	28.4	75.9	78.7	83.0	87.2	87.2	87.2	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 200	28.4	75.9	78.7	83.0	87.2	87.2	87.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 100	28.4	75.9	78.7	83.0	87.2	87.2	87.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5
0	28.4	75.9	78.7	83.0	87.2	87.2	87.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2

TOTAL NUMBER OF OBSERVATIONS

141



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	27.0	53.2	55.3	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 20000	29.8	58.2	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 18000	29.8	58.2	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 16000	29.8	58.2	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 14000	30.5	58.9	61.7	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 12000	30.5	58.9	61.7	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 10000	32.6	61.7	64.5	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 9000	32.6	61.7	64.5	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 8000	32.6	62.4	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 7000	33.3	64.5	67.4	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 6000	33.3	65.3	68.1	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 5000	33.3	67.4	70.2	70.2	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 4500	33.3	69.5	72.3	72.3	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4000	33.3	71.6	74.5	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3500	34.0	73.1	75.9	75.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3000	34.8	75.2	78.0	78.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2500	35.5	76.6	80.1	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 2000	35.5	77.3	80.9	80.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1800	36.2	78.0	81.6	81.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1500	36.2	78.0	81.6	81.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1200	36.2	78.0	81.6	81.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1000	36.2	78.0	81.6	81.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 900	36.2	78.0	81.6	81.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 800	36.2	78.0	81.6	81.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 700	36.2	79.4	83.7	83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 600	36.2	79.4	83.7	83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 500	36.2	79.4	83.7	83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 400	36.2	79.4	83.7	83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 300	36.2	79.4	83.7	83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 200	36.2	79.4	83.7	83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 100	36.2	79.4	83.7	83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
0	36.2	79.4	83.7	83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4

TOTAL NUMBER OF OBSERVATIONS

141

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	30.5	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 20000	36.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 18000	36.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 16000	37.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 14000	37.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 12000	38.3	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 10000	38.3	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 9000	38.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 8000	38.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 7000	39.0	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 6000	39.0	63.8	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 5000	39.0	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4500	40.4	66.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4000	41.8	68.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 3500	43.3	74.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 3000-	44.0	78.0	79.4	79.4	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 2500	44.7	80.1	81.6	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2000	44.7	82.3	83.7	83.7	84.4	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1800	46.1	83.7	85.1	85.1	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1500	46.1	85.1	86.5	86.5	87.2	87.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1200	46.1	85.1	87.2	87.2	87.9	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1000	46.8	85.8	87.9	87.9	88.7	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 900	46.8	85.8	87.9	87.9	88.7	89.4	90.1	90.1	90.1	90.8	90.8	90.8	90.8	90.8
≥ 800	46.8	85.8	87.9	87.9	88.7	89.4	90.1	90.8	90.8	91.5	91.5	91.5	91.5	91.5
≥ 700	46.8	86.5	88.7	88.7	89.4	90.1	90.8	92.2	92.2	92.9	92.9	92.9	92.9	92.9
≥ 600	46.8	86.5	88.7	88.7	90.1	90.8	91.5	93.6	93.6	94.3	94.3	94.3	94.3	94.3
≥ 500	46.8	86.5	88.7	88.7	90.1	91.5	92.2	95.0	95.0	95.7	96.5	96.5	96.5	96.5
≥ 400	46.8	86.5	88.7	88.7	90.1	92.2	92.9	95.7	95.7	96.5	97.2	97.2	97.2	97.2
≥ 300	46.8	86.5	88.7	88.7	90.1	92.2	92.9	95.7	95.7	97.2	97.9	97.9	97.9	97.9
≥ 200	46.8	86.5	88.7	88.7	90.1	92.2	92.9	95.7	95.7	97.2	98.6	98.6	98.6	98.6
≥ 100	46.8	86.5	88.7	88.7	90.1	92.2	92.9	95.7	95.7	97.2	98.6	98.6	98.6	98.6
0	46.8	86.5	88.7	88.7	90.1	92.2	92.9	95.7	95.7	97.2	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

FEB  
MONTH

16  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	29.8	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000	33.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 18000	33.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 16000	33.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 14000	33.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 12000	34.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 10000	35.5	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 9000	35.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 8000	36.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 7000	38.3	67.4	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 6000	38.3	67.4	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 5000	39.7	69.5	69.5	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4500	41.1	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4000	44.0	80.1	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3500	45.4	82.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3000	45.4	84.4	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2500	46.8	85.8	85.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 2000	47.5	87.2	87.2	88.7	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1800	47.5	87.2	87.2	88.7	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1500	47.5	89.4	89.4	90.8	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1200	47.5	89.4	89.4	90.8	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1000	47.5	89.4	89.4	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 900	47.5	89.4	89.4	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 800	47.5	89.4	89.4	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 700	47.5	90.1	90.1	92.2	92.2	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 600	47.5	90.1	90.1	92.2	92.2	93.6	94.3	95.0	95.0	95.0	95.0	95.0	95.0
≥ 500	47.5	90.1	90.1	92.2	93.6	94.3	95.7	96.5	96.5	96.5	96.5	96.5	96.5
≥ 400	47.5	90.1	90.1	92.2	93.6	94.3	96.5	97.2	97.2	97.2	97.2	97.2	97.2
≥ 300	47.5	90.1	90.1	92.2	93.6	94.3	96.5	97.2	97.2	97.2	97.2	97.2	97.2
≥ 200	47.5	90.1	90.1	92.2	93.6	94.3	96.5	97.2	97.2	97.2	97.2	97.2	97.2
≥ 100	47.5	90.1	90.1	92.2	93.6	94.3	96.5	97.2	97.2	97.2	97.2	97.2	97.2
0	47.5	90.1	90.1	92.2	93.6	94.3	96.5	97.2	97.2	97.2	97.2	97.2	97.2

TOTAL NUMBER OF OBSERVATIONS

141



1225 15136 54321

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	34.0	51.1	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 20000	35.5	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 18000	35.5	56.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 16000	35.5	56.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 14000	35.5	56.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 12000	36.2	58.2	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 10000	38.3	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 9000	38.3	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 8000	40.4	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 7000	40.4	66.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 6000	40.4	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 5000	40.4	69.5	70.2	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500	43.3	73.1	73.8	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 4000	44.0	77.3	78.7	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3500	46.1	80.1	81.6	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 3000	46.8	80.9	82.3	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2500	46.8	82.3	83.7	85.8	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 2000	46.8	83.0	84.4	86.5	87.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1800	46.8	83.0	84.4	86.5	87.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1500	46.8	83.0	85.1	87.2	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1200	46.8	83.0	85.1	87.9	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1000	46.8	83.7	85.8	88.7	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 900	46.8	83.7	85.8	88.7	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 800	46.8	83.7	85.8	88.7	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 700	46.8	83.7	85.8	88.7	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 600	46.8	84.4	86.5	89.4	91.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 500	46.8	84.4	86.5	89.4	91.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 400	46.8	85.8	87.9	90.8	92.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 300	46.8	85.8	87.9	90.8	92.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 200	46.8	85.8	87.9	90.8	92.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 100	46.8	85.8	87.9	90.8	92.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
0	46.8	85.8	87.9	90.8	92.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	35.5	54.6	55.3	55.3	55.3	55.3	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 20000	38.3	60.3	61.0	61.7	61.7	61.7	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 18000	38.3	60.3	61.0	61.7	61.7	61.7	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 16000	38.3	60.3	61.0	61.7	61.7	61.7	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 14000	38.3	60.3	61.0	61.7	61.7	61.7	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 12000	39.7	61.7	62.4	63.1	63.1	63.1	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 10000	43.3	65.3	66.0	66.7	66.7	66.7	66.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 9000	43.3	65.3	66.0	66.7	66.7	66.7	66.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 8000	43.3	68.1	70.2	70.9	70.9	70.9	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 7000	43.3	68.1	70.2	70.9	70.9	70.9	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 6000	43.3	68.8	70.9	71.6	71.6	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 5000	44.0	71.6	73.8	74.5	74.5	75.2	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 4500	44.7	72.3	75.2	75.9	75.9	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4000	44.7	75.2	78.7	79.4	79.4	80.1	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3500	44.7	76.6	80.1	80.9	80.9	81.6	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 3000	44.7	78.0	81.6	82.3	82.3	83.0	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 2500	44.7	78.7	82.3	83.0	83.0	83.7	83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2000	45.4	79.4	83.0	83.7	83.7	84.4	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1800	45.4	79.4	83.0	83.7	83.7	84.4	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1500	45.4	79.4	83.0	83.7	83.7	84.4	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1200	45.4	79.4	83.0	83.7	83.7	84.4	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1000	45.4	80.9	84.4	85.1	85.1	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 900	45.4	81.6	85.1	85.8	85.8	86.5	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 800	45.4	81.6	85.1	85.8	85.8	86.5	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 700	46.1	82.3	86.5	87.2	87.2	87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 600	46.1	82.3	86.5	87.2	87.2	87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 500	46.1	83.0	87.2	89.4	90.1	90.8	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 400	46.1	83.0	87.2	89.4	91.5	92.2	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 300	46.1	83.7	87.9	90.1	92.2	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 200	46.1	83.7	87.9	90.1	92.2	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 100	46.1	83.7	87.9	90.1	92.2	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 0	46.1	83.7	87.9	90.1	92.2	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6

TOTAL NUMBER OF OBSERVATIONS

141



2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	30.2	49.4	50.2	50.5	50.9	50.9	51.0	51.2	51.2	51.2	51.2	51.2	51.2
≥ 20000	33.6	55.8	56.7	57.2	57.6	57.6	57.7	57.9	57.9	57.9	57.9	57.9	57.9
≥ 18000	33.6	55.9	56.8	57.3	57.7	57.7	57.8	58.0	58.0	58.0	58.0	58.0	58.0
≥ 16000	33.7	56.0	56.9	57.4	57.8	57.8	57.9	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000	33.8	56.1	57.0	57.5	57.9	57.9	58.0	58.2	58.2	58.2	58.2	58.2	58.2
≥ 12000	34.4	56.8	57.8	58.3	58.7	58.7	58.8	59.0	59.0	59.0	59.0	59.0	59.0
≥ 10000	35.8	59.7	60.7	61.1	61.5	61.5	61.6	61.8	61.8	61.8	61.8	61.8	61.8
≥ 9000	35.9	60.1	61.1	61.5	61.9	61.9	62.0	62.2	62.2	62.2	62.2	62.2	62.2
≥ 8000	37.3	63.2	64.4	64.9	65.4	65.4	65.5	65.7	65.7	65.7	65.7	65.7	65.7
≥ 7000	37.5	64.8	66.1	66.7	67.2	67.2	67.4	67.6	67.6	67.6	67.6	67.6	67.6
≥ 6000	37.6	65.4	66.7	67.3	67.8	67.8	68.0	68.2	68.2	68.2	68.2	68.2	68.2
≥ 5000	38.1	67.5	68.8	69.6	70.1	70.2	70.4	70.6	70.6	70.6	70.6	70.6	70.6
≥ 4500	39.3	69.7	71.2	72.0	72.5	72.6	72.8	73.0	73.0	73.0	73.0	73.0	73.0
≥ 4000	40.4	73.5	75.2	75.9	76.5	76.6	76.8	77.0	77.0	77.0	77.0	77.0	77.0
≥ 3500	41.3	76.1	77.8	78.7	79.7	79.9	80.1	80.3	80.3	80.3	80.3	80.3	80.3
≥ 3000	41.7	78.0	79.7	80.7	81.7	82.0	82.2	82.5	82.5	82.5	82.5	82.5	82.5
≥ 2500	42.4	79.3	81.1	82.2	83.1	83.7	83.9	84.2	84.3	84.3	84.3	84.3	84.3
≥ 2000	42.7	80.2	82.0	83.2	84.4	85.0	85.3	85.7	85.8	85.8	85.8	85.8	85.8
≥ 1800	43.0	80.6	82.4	83.6	84.8	85.4	85.7	86.1	86.2	86.2	86.2	86.2	86.2
≥ 1500	43.0	81.3	83.1	84.4	85.7	86.4	86.7	87.1	87.2	87.2	87.2	87.2	87.2
≥ 1200	43.0	81.3	83.2	84.6	85.9	86.7	87.0	87.4	87.5	87.5	87.5	87.5	87.5
≥ 1000	43.1	81.8	83.7	85.2	86.5	87.5	87.9	88.4	88.5	88.5	88.5	88.5	88.5
≥ 900	43.1	82.1	84.1	85.6	87.0	88.0	88.4	89.0	89.1	89.2	89.2	89.2	89.2
≥ 800	43.1	82.3	84.4	86.0	87.6	88.6	89.2	89.8	89.9	90.0	90.1	90.3	90.3
≥ 700	43.2	82.6	84.9	86.8	88.6	89.7	90.5	91.4	91.5	91.6	91.7	91.9	91.9
≥ 600	43.2	82.6	84.9	86.8	88.8	90.0	90.9	92.3	92.4	92.5	92.7	92.7	92.7
≥ 500	43.2	83.3	85.6	87.7	89.7	91.1	92.3	93.8	93.9	94.0	94.3	94.6	94.6
≥ 400	43.2	83.4	85.7	87.9	90.2	91.7	93.1	94.7	94.8	95.1	95.2	95.7	95.7
≥ 300	43.2	83.5	85.8	88.0	90.4	91.9	93.3	95.3	95.4	95.9	96.3	96.8	97.0
≥ 200	43.2	83.6	85.9	88.1	90.5	92.0	93.4	96.0	96.1	96.8	97.3	98.3	98.7
≥ 100	43.2	83.6	85.9	88.1	90.5	92.0	93.4	96.0	96.1	96.8	97.4	98.4	99.5
0	43.2	83.6	85.9	88.1	90.5	92.0	93.4	96.0	96.1	96.8	97.4	98.4	99.5

TOTAL NUMBER OF OBSERVATIONS

1014



AD-A067 683

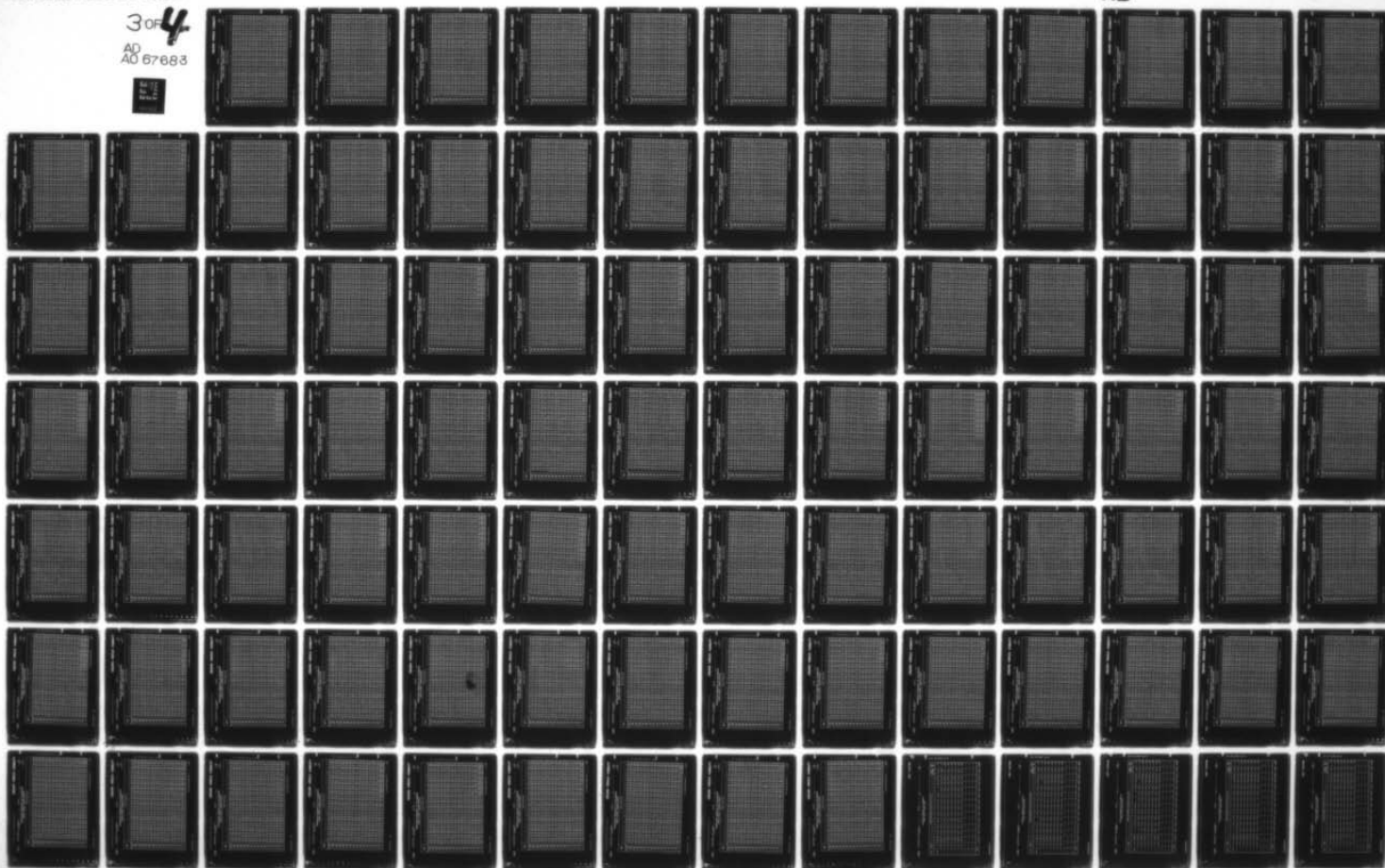
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C  
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) LAKEHURS--ETC(U)  
JUL 78

F/G 4/2

UNCLASSIFIED

NL

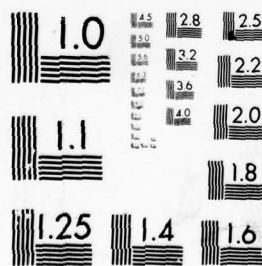
3 OF 4  
AD  
A0 67683



1 F 1 E D

3 OF 4

AD  
A0 67683



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75

YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	24.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.8	39.8
≥ 20000	28.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.1	45.2	45.2
≥ 18000	28.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.1	45.2	45.2
≥ 16000	28.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.1	45.2	45.2
≥ 14000	28.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.1	45.2	45.2
≥ 12000	29.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	47.3	48.4	48.4
≥ 10000	32.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	50.5	51.6	51.6
≥ 9000	32.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	50.5	51.6	51.6
≥ 8000	35.5	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	57.0	58.1	58.1
≥ 7000	37.6	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	60.2	61.3	61.3
≥ 6000	37.6	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	60.2	61.3	61.3
≥ 5000	40.9	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	63.4	64.5	64.5
≥ 4500	41.9	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	68.8	69.9	69.9
≥ 4000	43.0	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9	71.0	71.0
≥ 3500	43.0	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9	71.0	71.0
≥ 3000	44.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	72.0	73.1	73.1
≥ 2500	45.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	75.3	76.3	76.3
≥ 2000	46.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	78.5	79.6	79.6
≥ 1800	46.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	78.5	79.6	79.6
≥ 1500	46.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	78.5	79.6	79.6
≥ 1200	46.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	78.5	79.6	79.6
≥ 1000	46.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	79.6	80.7	80.7
≥ 900	46.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	79.6	80.7	80.7
≥ 800	46.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	79.6	80.7	80.7
≥ 700	46.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	79.6	80.7	80.7
≥ 600	46.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	79.6	80.7	80.7
≥ 500	46.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	79.6	80.7	80.7
≥ 400	46.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	79.6	80.7	80.7
≥ 300	46.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	79.6	80.7	80.7
≥ 200	46.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	79.6	80.7	80.7
≥ 100	46.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	79.6	80.7	80.7
≥ 0	46.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	79.6	80.7	80.7

TOTAL NUMBER OF OBSERVATIONS

93



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75

YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	26.9	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.8
≥ 20000	30.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	46.2	46.2	46.2	46.2	46.2	47.3
≥ 18000	30.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	46.2	46.2	46.2	46.2	46.2	47.3
≥ 16000	30.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	46.2	46.2	46.2	46.2	46.2	47.3
≥ 14000	30.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	46.2	46.2	46.2	46.2	46.2	47.3
≥ 12000	30.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	46.2	46.2	46.2	46.2	46.2	47.3
≥ 10000	30.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	48.4	48.4	48.4	48.4	48.4	49.5
≥ 9000	31.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	49.5	49.5	49.5	49.5	49.5	50.5
≥ 8000	34.4	53.8	53.8	54.8	54.8	54.8	54.8	54.8	54.8	55.9	55.9	55.9	55.9	55.9	57.0
≥ 7000	35.5	55.9	55.9	57.0	57.0	57.0	57.0	57.0	57.0	58.1	58.1	58.1	58.1	58.1	59.1
≥ 6000	35.5	55.9	55.9	57.0	57.0	57.0	57.0	57.0	57.0	58.1	58.1	58.1	58.1	58.1	59.1
≥ 5000	38.7	59.1	59.1	60.2	60.2	60.2	60.2	60.2	60.2	61.3	61.3	61.3	61.3	61.3	62.4
≥ 4500	38.7	60.2	60.2	61.3	61.3	61.3	61.3	61.3	61.3	62.4	62.4	62.4	62.4	62.4	63.4
≥ 4000	40.9	64.5	64.5	65.6	65.6	65.6	65.6	65.6	65.6	66.7	66.7	66.7	66.7	66.7	67.7
≥ 3500	40.9	66.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	68.8	68.8	68.8	68.8	68.8	69.9
≥ 3000	43.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	73.1	73.1	73.1	73.1	73.1	74.2
≥ 2500	43.0	72.0	72.0	73.1	73.1	73.1	73.1	73.1	73.1	74.2	74.2	74.2	74.2	74.2	75.3
≥ 2000	43.0	73.1	73.1	74.2	74.2	74.2	74.2	74.2	74.2	75.3	75.3	75.3	75.3	75.3	76.3
≥ 1800	43.0	73.1	73.1	74.2	74.2	74.2	74.2	74.2	74.2	75.3	75.3	75.3	75.3	75.3	76.3
≥ 1500	44.1	74.2	74.2	76.3	76.3	76.3	76.3	76.3	76.3	77.4	77.4	77.4	77.4	77.4	78.5
≥ 1200	44.1	75.3	75.3	77.4	78.5	78.5	78.5	78.5	78.5	79.6	79.6	79.6	79.6	79.6	80.7
≥ 1000	44.1	75.3	76.3	78.5	79.6	80.7	80.7	80.7	80.7	81.7	81.7	81.7	81.7	81.7	82.8
≥ 900	44.1	75.3	76.3	78.5	79.6	80.7	80.7	80.7	80.7	81.7	81.7	81.7	81.7	81.7	82.8
≥ 800	44.1	75.3	76.3	78.5	79.6	80.7	80.7	80.7	80.7	81.7	81.7	81.7	81.7	81.7	82.8
≥ 700	44.1	75.3	76.3	78.5	80.7	81.7	81.7	81.7	81.7	82.8	82.8	82.8	82.8	82.8	83.9
≥ 600	44.1	76.3	77.4	79.6	81.7	82.8	82.8	82.8	82.8	83.9	83.9	83.9	83.9	83.9	85.0
≥ 500	44.1	76.3	77.4	79.6	81.7	82.8	82.8	82.8	82.8	83.9	83.9	83.9	83.9	83.9	85.0
≥ 400	44.1	76.3	77.4	79.6	81.7	82.8	82.8	82.8	82.8	83.9	83.9	83.9	83.9	83.9	85.0
≥ 300	44.1	77.4	78.5	80.7	82.8	83.9	83.9	83.9	83.9	85.0	85.0	85.0	85.0	85.0	86.2
≥ 200	44.1	77.4	78.5	80.7	82.8	83.9	83.9	83.9	83.9	85.0	85.0	85.0	85.0	85.0	86.2
≥ 100	44.1	77.4	78.5	80.7	82.8	83.9	83.9	83.9	83.9	85.0	85.0	85.0	85.0	85.0	86.2
≥ 0	44.1	77.4	78.5	80.7	82.8	83.9	83.9	83.9	83.9	85.0	85.0	85.0	85.0	85.0	86.2

TOTAL NUMBER OF OBSERVATIONS

93

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

14780  
STATIONLAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

MAR  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)07  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	21.9	34.8	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 20000	28.4	42.6	43.9	43.9	43.9	43.9	44.5	45.2	45.2	45.2	45.2	45.8	45.8
≥ 18000	28.4	42.6	43.9	43.9	43.9	43.9	44.5	45.2	45.2	45.2	45.2	45.8	45.8
≥ 16000	28.4	42.6	43.9	43.9	43.9	43.9	44.5	45.2	45.2	45.2	45.2	45.8	45.8
≥ 14000	28.4	43.2	44.5	44.5	44.5	44.5	45.2	45.8	45.8	45.8	45.8	46.5	46.5
≥ 12000	28.4	44.5	45.8	45.8	45.8	45.8	46.5	47.1	47.1	47.1	47.1	47.7	47.7
≥ 10000	31.0	47.7	51.0	51.0	51.0	51.0	51.6	52.3	52.3	52.3	52.3	52.9	52.9
≥ 9000	31.0	48.4	51.6	51.6	51.6	51.6	52.3	52.9	52.9	52.9	52.9	53.6	53.6
≥ 8000	32.9	53.6	57.4	57.4	57.4	57.4	58.1	58.7	58.7	58.7	58.7	59.4	59.4
≥ 7000	32.9	54.8	58.7	58.7	58.7	58.7	59.4	60.0	60.0	60.0	60.0	60.7	60.7
≥ 6000	33.6	55.5	59.4	59.4	59.4	59.4	60.0	60.7	60.7	60.7	60.7	61.3	61.3
≥ 5000	33.6	56.8	60.7	60.7	61.3	61.3	62.6	63.2	63.2	63.2	63.2	63.9	63.9
≥ 4500	34.2	58.1	61.9	61.9	62.6	62.6	63.9	64.5	64.5	65.2	65.2	65.8	65.8
≥ 4000	34.8	61.9	65.8	65.8	67.1	67.1	68.4	69.0	69.0	69.7	69.7	70.3	70.3
≥ 3500	35.5	63.9	68.4	68.4	70.3	70.3	71.6	72.3	72.3	72.9	72.9	73.6	73.6
≥ 3000	35.5	63.9	68.4	68.4	70.3	71.0	72.3	72.9	72.9	73.6	73.6	74.2	74.2
≥ 2500	36.1	65.8	70.3	70.3	72.3	72.9	74.2	74.8	74.8	75.5	75.5	76.1	76.1
≥ 2000	36.1	65.8	70.3	71.6	73.6	74.2	75.5	76.1	76.1	76.8	76.8	77.4	77.4
≥ 1800	36.1	67.7	72.9	74.2	76.1	76.8	78.1	78.7	78.7	79.4	79.4	80.0	80.0
≥ 1600	36.1	69.7	74.8	76.1	78.1	78.7	80.0	80.7	80.7	81.3	81.3	81.9	81.9
≥ 1400	36.1	69.7	74.8	76.1	78.1	79.4	80.7	81.3	81.3	82.6	82.6	83.2	83.2
≥ 1200	36.1	69.7	74.8	76.1	78.1	79.4	80.7	81.3	81.3	82.6	82.6	83.2	83.2
≥ 1000	36.1	69.7	74.8	76.1	78.1	79.4	80.7	81.3	81.3	82.6	82.6	83.2	83.2
≥ 900	36.1	69.7	74.8	76.1	78.1	79.4	80.7	81.3	81.3	82.6	82.6	83.2	83.2
≥ 800	36.1	69.7	74.8	76.1	78.1	79.4	80.7	81.3	81.3	82.6	82.6	83.2	83.2
≥ 700	36.1	69.7	74.8	76.1	78.1	79.4	80.7	81.3	81.3	82.6	82.6	83.2	83.2
≥ 600	36.1	70.3	75.5	76.8	78.7	80.7	83.2	84.5	85.2	86.5	86.5	87.1	87.1
≥ 500	36.1	71.0	76.1	78.1	80.7	83.9	86.5	87.7	88.4	89.7	89.7	90.3	90.3
≥ 400	36.1	71.0	76.1	78.1	80.7	84.5	87.1	89.0	89.7	91.0	91.0	91.6	91.6
≥ 300	36.1	71.0	76.1	78.1	80.7	84.5	87.1	90.3	91.0	93.6	93.6	94.2	94.2
≥ 200	36.1	71.0	76.1	78.1	80.7	84.5	87.1	90.3	91.0	94.2	94.2	95.5	95.5
≥ 100	36.1	71.0	76.1	78.1	80.7	84.5	87.1	90.3	91.0	94.2	94.2	95.5	95.5
0	36.1	71.0	76.1	78.1	80.7	84.5	87.1	90.3	91.0	94.2	94.2	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS

155



1225  
10170 54271

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (LST.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	25.8	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 20000	34.2	49.0	49.0	49.0	49.0	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 18000	34.2	49.0	49.0	49.0	49.0	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 16000	34.2	49.0	49.0	49.0	49.0	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 14000	34.2	49.0	49.0	49.0	49.0	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 12000	34.8	50.3	50.3	50.3	50.3	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 10000	36.1	52.9	52.9	52.9	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 9000	36.1	52.9	52.9	52.9	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6
8000	38.7	56.8	56.8	56.8	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4
7000	39.4	58.1	58.1	58.1	58.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7
6000	39.4	59.4	59.4	59.4	59.4	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0
5000	40.0	61.3	61.3	61.3	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9
4500	40.7	61.9	61.9	62.6	62.6	62.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9
4000	42.6	65.2	65.2	65.8	66.5	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4
3500	44.5	67.7	67.7	68.4	69.0	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
3000	45.8	70.3	70.3	71.0	71.6	72.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6
2500	47.1	73.6	73.6	75.5	76.1	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1
2000	47.7	75.5	75.5	77.4	78.1	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
1800	47.7	75.5	75.5	77.4	78.1	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
1500	47.7	75.5	75.5	78.1	79.4	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
1200	47.7	76.1	76.1	78.7	80.0	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9
1000	47.7	76.1	76.8	79.4	80.7	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6
900	47.7	76.1	76.8	79.4	80.7	81.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2
800	47.7	76.1	76.8	80.0	82.6	83.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
700	47.7	76.1	76.8	80.0	83.2	83.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5
600	48.4	76.8	77.4	80.7	83.9	84.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1
500	48.4	76.8	77.4	80.7	83.9	84.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1
400	48.4	76.8	77.4	80.7	84.5	85.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0
300	48.4	76.8	77.4	80.7	85.2	87.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3
200	48.4	76.8	77.4	80.7	85.2	87.1	91.0	91.0	91.0	91.0	91.0	91.0	91.0
100	48.4	76.8	77.4	80.7	85.2	87.1	91.0	91.0	91.0	91.0	91.0	91.0	91.0
0	48.4	76.8	77.4	80.7	85.2	87.1	91.0	91.0	91.0	91.0	91.0	91.0	91.0

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	27.7	34.2	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 20000	38.1	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 18000	38.1	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 16000	38.1	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 14000	38.7	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 12000	38.7	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 10000	39.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 9000	39.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 8000	41.3	52.3	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 7000	41.9	54.2	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 6000	41.9	54.2	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 5000	42.6	56.1	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 4500	43.9	57.4	58.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 4000	47.1	62.6	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 3500	51.0	67.7	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 3000	53.6	72.3	72.9	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2500	54.2	73.6	74.2	74.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2000	54.8	75.5	76.1	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 1800	55.5	76.1	76.8	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1500	55.5	76.8	78.1	78.1	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1200	55.5	76.8	78.1	78.1	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1000	56.1	78.1	79.4	79.4	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 900	56.1	78.1	79.4	79.4	83.9	83.9	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 800	56.1	78.7	80.7	80.7	85.8	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 700	56.1	79.4	81.3	81.3	87.1	87.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 600	56.1	79.4	81.3	81.3	87.7	88.4	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 500	56.1	79.4	81.3	81.3	87.7	89.0	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 400	56.1	79.4	81.3	81.3	89.7	91.0	93.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 300	56.1	79.4	81.3	81.3	89.7	91.0	93.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	56.1	79.4	81.3	81.3	89.7	91.0	93.6	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 100	56.1	79.4	81.3	81.3	89.7	91.0	93.6	97.4	97.4	97.4	97.4	97.4	97.4	97.4
0	56.1	79.4	81.3	81.3	89.7	91.0	93.6	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

MAR  
MONTH

16  
HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	29.0	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 20000	34.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 18000	34.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 16000	34.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 14000	34.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 12000	35.5	51.6	51.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 10000	36.1	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 9000	36.1	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 8000	36.8	56.1	56.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 7000	38.1	59.4	60.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 6000	38.7	60.0	60.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 5000	39.4	61.3	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 4500	40.0	63.2	63.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4000	41.9	67.7	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 3500	44.5	71.6	72.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3000	45.8	74.2	74.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 2500	46.5	76.8	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2000	47.1	78.1	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1800	47.1	78.1	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1500	47.1	78.1	80.0	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1200	47.7	80.0	81.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1000	47.7	80.7	82.6	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 900	47.7	80.7	82.6	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 800	47.7	80.7	82.6	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 700	47.7	81.9	83.9	86.5	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 600	47.7	81.9	83.9	86.5	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 500	47.7	82.6	84.5	87.1	89.0	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 400	47.7	82.6	84.5	87.1	89.0	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 300	47.7	82.6	84.5	87.1	89.0	90.3	92.3	94.8	94.8	95.5	97.4	97.4	97.4	97.4
≥ 200	47.7	82.6	84.5	87.1	89.0	90.3	92.3	94.8	94.8	95.5	98.1	98.1	98.1	98.1
≥ 100	47.7	82.6	84.5	87.1	89.0	90.3	92.3	94.8	94.8	95.5	98.1	98.1	98.1	98.1
≥ 0	47.7	82.6	84.5	87.1	89.0	90.3	92.3	94.8	94.8	95.5	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	28.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 20000	32.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 18000	32.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 16000	32.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 14000	32.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 12000	32.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 10000	34.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 9000	34.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 8000	36.8	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 7000	37.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 6000	37.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 5000	37.4	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 4500	38.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 4000	40.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3500	41.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3000	41.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2500	42.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	42.6	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1800	42.6	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1500	42.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1200	42.6	80.0	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1000	42.6	80.0	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 900	42.6	80.0	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 800	43.2	80.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 700	43.2	80.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 600	43.2	80.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 500	43.2	80.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 400	43.2	80.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 300	43.2	80.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 200	43.2	80.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 100	43.2	80.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 0	43.2	80.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	28.4	47.1	47.1	47.1	47.1	47.1	47.7	47.7	47.7	47.7	47.7	47.7	48.4	49.0	49.0
≥ 20000	29.7	50.3	50.3	50.3	50.3	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.6	52.3	52.3
≥ 18000	29.7	50.3	50.3	50.3	50.3	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.6	52.3	52.3
≥ 16000	29.7	50.3	50.3	50.3	50.3	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.6	52.3	52.3
≥ 14000	29.7	51.0	51.0	51.0	51.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	52.3	52.9	52.9
≥ 12000	30.3	52.3	52.3	52.3	52.3	52.3	52.9	52.9	52.9	52.9	52.9	52.9	53.6	54.2	54.2
≥ 10000	32.3	56.1	56.1	56.1	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	57.4	58.1	58.1
≥ 9000	32.9	56.8	56.8	56.8	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	58.1	58.7	58.7
≥ 8000	34.8	61.9	61.9	61.9	62.6	62.6	63.9	63.9	63.9	63.9	63.9	63.9	64.5	65.2	65.2
≥ 7000	38.1	65.2	65.2	65.2	65.8	65.8	67.1	67.1	67.1	67.1	67.1	67.1	67.7	68.4	68.4
≥ 6000	38.7	65.8	65.8	65.8	66.5	66.5	67.7	67.7	67.7	67.7	67.7	67.7	68.4	69.0	69.0
≥ 5000	39.4	67.7	67.7	67.7	68.4	68.4	69.7	69.7	69.7	69.7	69.7	69.7	70.3	71.0	71.0
≥ 4500	40.7	70.3	70.3	70.3	71.0	71.0	72.3	72.3	72.3	72.3	72.3	72.3	72.9	73.6	73.6
≥ 4000	41.9	72.3	72.3	72.3	72.9	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.8	75.5	75.5
≥ 3500	42.6	74.2	74.2	74.2	74.8	74.8	76.1	76.1	76.1	76.1	76.1	76.1	76.8	77.4	77.4
≥ 3000	42.6	76.1	76.1	76.1	76.8	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.7	79.4	79.4
≥ 2500	42.6	78.1	78.7	78.7	79.4	79.4	80.7	80.7	80.7	80.7	80.7	80.7	81.3	81.9	81.9
≥ 2000	42.6	78.7	79.4	79.4	80.0	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.9	82.6	82.6
≥ 1800	42.6	78.7	79.4	79.4	80.0	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.9	82.6	82.6
≥ 1500	42.6	79.4	80.7	80.7	81.3	81.3	83.2	83.2	83.2	83.2	83.2	83.2	83.9	84.5	84.5
≥ 1200	42.6	80.7	81.9	81.9	82.6	82.6	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.8	85.8
≥ 1000	42.6	80.7	81.9	81.9	82.6	82.6	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.8	85.8
≥ 900	42.6	80.7	81.9	81.9	82.6	82.6	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.8	85.8
≥ 800	42.6	80.7	81.9	81.9	82.6	82.6	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.8	85.8
≥ 700	42.6	81.3	83.2	83.2	83.9	83.9	85.8	85.8	85.8	85.8	85.8	85.8	86.5	87.1	87.1
≥ 600	42.6	81.3	83.2	83.2	83.9	83.9	85.8	85.8	85.8	85.8	85.8	85.8	86.5	87.1	87.1
≥ 500	42.6	81.3	83.2	83.2	83.9	83.9	85.8	85.8	85.8	85.8	85.8	85.8	86.5	87.1	87.1
≥ 400	42.6	81.3	83.2	83.2	83.9	83.9	85.8	85.8	85.8	85.8	85.8	85.8	86.5	87.1	87.1
≥ 300	42.6	81.3	83.2	83.2	83.9	83.9	85.8	85.8	85.8	85.8	85.8	85.8	86.5	87.1	87.1
≥ 200	42.6	81.3	83.2	83.2	83.9	83.9	85.8	85.8	85.8	85.8	85.8	85.8	86.5	87.1	87.1
≥ 100	42.6	81.3	83.2	83.2	83.9	83.9	85.8	85.8	85.8	85.8	85.8	85.8	86.5	87.1	87.1
≥ 0	42.6	81.3	83.2	83.2	83.9	83.9	85.8	85.8	85.8	85.8	85.8	85.8	86.5	87.1	87.1

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16
NO CEILING	26.7	40.0	40.1	40.1	40.1	40.1	40.2	40.2	40.2	40.2	40.2	40.4
≥ 20000	32.3	47.8	48.0	48.0	48.0	48.0	48.3	48.4	48.4	48.5	48.7	48.8
≥ 18000	32.3	47.8	48.0	48.0	48.0	48.0	48.3	48.4	48.4	48.5	48.7	48.8
≥ 16000	32.3	47.8	48.1	48.1	48.1	48.1	48.4	48.5	48.5	48.6	48.8	48.9
≥ 14000	32.4	48.2	48.5	48.5	48.5	48.5	48.8	48.8	48.8	48.9	49.1	49.3
≥ 12000	32.8	49.2	49.5	49.6	49.6	49.6	49.8	49.9	49.9	50.0	50.2	50.4
≥ 10000	34.3	51.8	52.3	52.4	52.4	52.4	52.7	52.8	52.8	52.9	53.1	53.2
≥ 9000	34.5	52.1	52.6	52.7	52.7	52.7	53.0	53.1	53.1	53.2	53.3	53.5
≥ 8000	36.6	56.6	57.3	57.6	57.8	57.8	58.2	58.2	58.2	58.3	58.5	58.7
≥ 7000	37.7	58.8	59.5	59.9	60.0	60.0	60.4	60.5	60.5	60.6	60.8	60.9
≥ 6000	38.0	59.2	60.0	60.3	60.5	60.5	60.8	60.9	60.9	61.0	61.2	61.4
≥ 5000	38.9	61.0	61.7	62.1	62.4	62.4	62.8	62.9	62.9	63.0	63.2	63.4
≥ 4500	39.8	63.2	63.9	64.3	64.6	64.6	65.1	65.2	65.2	65.4	65.6	65.8
≥ 4000	41.5	66.9	67.6	68.0	68.5	68.6	69.1	69.2	69.2	69.4	69.5	69.7
≥ 3500	43.0	69.4	70.3	70.7	71.2	71.3	71.9	72.0	72.0	72.1	72.3	72.5
≥ 3000	44.0	71.9	72.7	73.1	73.8	73.9	74.5	74.6	74.6	74.7	74.9	75.1
≥ 2500	44.7	74.2	75.3	75.9	76.5	76.7	77.2	77.3	77.3	77.5	77.7	77.9
≥ 2000	45.1	75.5	76.7	77.5	78.1	78.3	78.9	78.9	78.9	79.1	79.3	79.5
≥ 1800	45.2	75.5	76.8	77.6	78.2	78.4	78.9	79.0	79.0	79.2	79.4	79.6
≥ 1500	45.3	76.3	78.0	79.0	79.8	80.1	80.7	80.7	80.7	80.9	81.1	81.3
≥ 1200	45.3	77.1	78.9	79.9	80.8	81.1	81.7	81.8	81.8	82.0	82.2	82.4
≥ 1000	45.4	77.4	79.4	80.5	81.6	82.1	82.7	82.8	82.8	83.1	83.2	83.5
≥ 900	45.4	77.4	79.4	80.6	81.9	82.4	83.2	83.4	83.4	83.7	83.8	84.1
≥ 800	45.5	77.6	79.7	81.0	82.6	83.2	84.0	84.3	84.4	84.7	84.9	85.2
≥ 700	45.5	78.0	80.1	81.5	83.6	84.2	85.2	85.7	85.8	86.0	86.3	86.6
≥ 600	45.6	78.2	80.4	81.8	84.1	85.0	86.4	87.0	87.1	87.4	87.5	87.9
≥ 500	45.6	78.4	80.6	82.4	85.0	86.3	88.0	88.7	88.8	89.1	89.3	89.7
≥ 400	45.6	78.4	80.6	82.4	85.8	87.4	89.3	90.6	90.7	91.1	91.6	92.0
≥ 300	45.6	78.5	80.7	82.5	86.0	87.7	90.0	92.1	92.3	93.2	94.0	94.4
≥ 200	45.6	78.5	80.7	82.5	86.0	87.7	90.1	93.0	93.5	94.7	96.0	96.8
≥ 100	45.6	78.5	80.7	82.5	86.1	87.8	90.2	93.1	93.6	94.8	96.2	97.2
0	45.6	78.5	80.7	82.5	86.1	87.8	90.2	93.1	93.6	94.8	96.2	97.2

TOTAL NUMBER OF OBSERVATIONS 1116

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75

YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	37.8	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	55.6	55.6
≥ 20000	43.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2
≥ 18000	43.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2
≥ 16000	43.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2
≥ 14000	43.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2
≥ 12000	43.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2
≥ 10000	45.6	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	65.6	65.6
≥ 9000	46.7	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	66.7	66.7
≥ 8000	51.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	73.3	73.3
≥ 7000	51.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	73.3	73.3
≥ 6000	51.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	73.3	73.3
≥ 5000	53.3	75.6	75.6	75.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	77.8	77.8
≥ 4500	56.7	80.0	80.0	80.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	82.2	82.2
≥ 4000	58.9	86.7	86.7	86.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9
≥ 3500	58.9	86.7	86.7	86.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9
≥ 3000	58.9	86.7	86.7	86.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9
≥ 2500	58.9	87.8	87.8	87.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0
≥ 2000	58.9	87.8	87.8	87.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0
≥ 1800	58.9	87.8	87.8	87.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0
≥ 1500	58.9	87.8	87.8	87.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0
≥ 1200	58.9	87.8	87.8	87.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0
≥ 1000	58.9	87.8	87.8	87.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0
≥ 900	58.9	87.8	87.8	87.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0
≥ 800	58.9	87.8	87.8	87.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0
≥ 700	58.9	87.8	87.8	87.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0
≥ 600	58.9	87.8	87.8	87.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0
≥ 500	58.9	87.8	87.8	87.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0
≥ 400	58.9	87.8	87.8	87.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0
≥ 300	58.9	87.8	87.8	87.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0
≥ 200	58.9	87.8	87.8	87.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0
≥ 100	58.9	87.8	87.8	87.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0
0	58.9	87.8	87.8	87.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0

TOTAL NUMBER OF OBSERVATIONS

90

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75

YEARS

APR  
MONTH

04  
HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	38.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 20000	45.6	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 18000	45.6	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 16000	45.6	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 14000	45.6	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 12000	45.6	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 10000	46.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 9000	46.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 8000	47.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 7000	52.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 6000	52.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 5000	56.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 4500	57.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	60.0	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3500	60.0	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3000	60.0	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2500	60.0	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2000	60.0	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1800	60.0	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1500	60.0	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1200	60.0	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1000	60.0	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 900	60.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 800	60.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 700	60.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 600	60.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 500	60.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 400	60.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 300	60.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 200	60.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 100	60.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
0	60.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2

TOTAL NUMBER OF OBSERVATIONS

90

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

APR  
MONTH

07  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	26.0	54.0	55.3	56.0	58.7	58.7	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 20000	26.7	56.0	57.3	58.0	61.3	61.3	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 18000	26.7	56.7	58.0	58.7	62.0	62.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 16000	26.7	56.7	58.0	58.7	62.0	62.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 14000	27.3	57.3	58.7	59.3	62.7	62.7	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 12000	28.7	59.3	60.7	61.3	64.7	64.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 10000	32.0	64.0	65.3	66.0	69.3	69.3	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 9000	32.0	64.7	66.0	66.7	70.0	70.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 8000	33.3	68.0	70.0	70.7	74.0	74.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 7000	33.3	69.3	72.0	72.7	76.0	76.0	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 6000	34.0	70.7	73.3	74.0	77.3	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 5000	35.3	74.0	76.7	77.3	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500	35.3	75.3	78.0	78.7	82.0	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 4000	37.3	77.3	80.0	80.7	84.0	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3500	38.0	78.0	80.7	81.3	84.7	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3000	38.0	78.7	81.3	82.0	85.3	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2500	38.0	78.7	81.3	82.0	85.3	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2000	39.3	80.0	82.7	83.3	86.7	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1800	39.3	80.0	82.7	83.3	86.7	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1500	39.3	80.7	83.3	84.0	88.0	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1200	40.0	82.0	84.7	85.3	89.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1000	40.0	82.0	84.7	85.3	89.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 900	40.0	82.0	84.7	85.3	89.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 800	40.0	82.7	86.0	86.7	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 700	40.0	82.7	86.0	86.7	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 600	40.0	82.7	86.0	86.7	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 500	40.0	82.7	86.7	87.3	92.7	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 400	40.0	82.7	86.7	87.3	93.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 300	40.0	82.7	86.7	87.3	93.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 200	40.0	82.7	86.7	87.3	93.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 100	40.0	82.7	86.7	87.3	93.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0
0	40.0	82.7	86.7	87.3	93.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0

150

TOTAL NUMBER OF OBSERVATIONS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHIEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

APR  
MONTH

10  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	28.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 20000	32.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
18000	32.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
16000	32.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
14000	32.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
12000	34.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
10000	36.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
9000	38.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
8000	39.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
7000	39.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
6000	39.3	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
5000	40.7	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
4500	42.0	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
4000	47.3	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
3500	48.0	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
3000	48.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
2500	48.7	88.0	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
2000	48.7	88.7	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
1800	48.7	88.7	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
1500	48.7	88.7	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
1200	48.7	89.3	90.0	90.0	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3
1000	49.3	90.7	91.3	91.3	92.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3
900	49.3	90.7	91.3	91.3	92.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3
800	49.3	90.7	92.0	92.0	92.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0
700	50.0	91.3	92.7	92.7	93.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
600	50.0	91.3	92.7	92.7	93.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
500	50.0	91.3	92.7	92.7	93.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
400	50.0	91.3	92.7	92.7	93.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
300	50.0	91.3	92.7	92.7	93.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
200	50.0	91.3	92.7	92.7	93.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
100	50.0	91.3	92.7	92.7	93.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
0	50.0	91.3	92.7	92.7	93.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3

TOTAL NUMBER OF OBSERVATIONS

150



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	33.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	36.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 18000	36.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 16000	36.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 14000	37.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 12000	38.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 10000	39.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 9000	39.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 8000	40.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 7000	41.3	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 6000	41.3	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 5000	41.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4500	42.7	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4000	52.7	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3500	54.0	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	56.7	84.0	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2500	57.3	84.7	85.3	85.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000	57.3	85.3	86.0	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1800	57.3	85.3	86.0	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1600	58.0	86.7	87.3	87.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1500	58.0	86.7	87.3	87.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1200	58.0	87.3	88.0	88.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1000	58.0	88.7	89.3	90.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 900	58.7	89.3	90.0	90.0	92.7	93.3	94.0	95.3	95.3	95.3	95.3	95.3	95.3
≥ 800	58.7	89.3	90.0	91.3	93.3	94.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	58.7	89.3	90.0	91.3	93.3	94.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	58.7	89.3	90.0	91.3	93.3	94.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500	58.7	89.3	90.0	91.3	93.3	94.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7
≥ 400	58.7	89.3	90.0	91.3	93.3	94.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7
≥ 300	58.7	89.3	90.0	91.3	93.3	94.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7
≥ 200	58.7	89.3	90.0	91.3	93.3	94.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7
≥ 100	58.7	89.3	90.0	91.3	93.3	94.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7
0	58.7	89.3	90.0	91.3	93.3	94.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

APR  
MONTH

16

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	29.3	50.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000	34.0	54.7	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 18000	34.0	54.7	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 16000	34.0	54.7	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 14000	34.0	54.7	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 12000	35.3	56.0	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 10000	36.7	58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 9000	36.7	58.7	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 8000	39.3	63.3	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 7000	39.3	63.3	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 6000	39.3	63.3	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 5000	41.3	65.3	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4500	43.3	70.0	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4000	50.0	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500	50.7	80.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3000	52.0	82.7	84.7	85.3	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2500	52.7	83.3	85.3	86.0	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2000	53.3	84.7	86.7	87.3	88.0	88.0	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1800	53.3	85.3	87.3	88.0	88.7	89.3	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500	53.3	86.7	88.7	89.3	90.0	90.0	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200	53.3	87.3	90.0	90.7	91.3	91.3	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1000	53.3	88.0	91.3	92.0	92.7	92.7	94.0	94.0	94.0	94.0	94.0	94.0
≥ 900	53.3	88.0	91.3	92.0	92.7	92.7	94.0	94.0	94.0	94.0	94.0	94.0
≥ 800	53.3	88.7	92.0	92.7	93.3	93.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 700	53.3	88.7	92.0	92.7	93.3	94.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600	53.3	88.7	92.0	92.7	93.3	94.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500	53.3	88.7	92.0	92.7	93.3	94.7	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400	53.3	88.7	92.0	92.7	93.3	94.7	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300	53.3	88.7	92.0	92.7	94.0	95.3	98.7	98.7	99.3	99.3	99.3	99.3
≥ 200	53.3	88.7	92.0	92.7	94.0	95.3	98.7	98.7	99.3	99.3	99.3	99.3
≥ 100	53.3	88.7	92.0	92.7	94.0	95.3	98.7	98.7	99.3	99.3	99.3	99.3
0	53.3	88.7	92.0	92.7	94.0	95.3	98.7	98.7	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150



14780  
STATION

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

APR  
MONTH

19  
HOURS (LST)

# CEILING VERSUS VISIBILITY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	26.7	52.0	52.7	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 20000	34.0	60.7	61.3	61.3	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 18000	34.0	60.7	61.3	61.3	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 16000	34.0	60.7	61.3	61.3	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 14000	34.7	62.0	62.7	62.7	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 12000	36.0	64.7	65.3	65.3	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000	38.0	68.0	68.7	68.7	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 8000	38.0	68.0	68.7	68.7	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 7000	39.3	72.0	72.7	72.7	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 6000	40.7	74.0	74.7	74.7	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 5000	41.3	74.7	75.3	75.3	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4500	43.3	77.3	78.0	78.0	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4000	44.7	81.3	82.0	82.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3500	46.0	84.7	85.3	85.3	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3000	46.7	85.3	86.0	86.0	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2500	46.7	85.3	86.7	86.7	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2000	46.7	86.0	86.7	86.7	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1800	46.7	86.7	87.3	87.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1500	46.7	86.7	87.3	87.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1200	46.7	86.7	87.3	87.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1000	46.7	86.7	87.3	87.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 900	46.7	86.7	87.3	87.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 800	46.7	86.7	87.3	87.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 700	46.7	86.7	87.3	87.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 600	46.7	86.7	87.3	87.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 500	46.7	86.7	87.3	87.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 400	46.7	86.7	87.3	87.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 300	46.7	86.7	87.3	87.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 200	46.7	86.7	87.3	87.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 100	46.7	86.7	87.3	87.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 0	46.7	86.7	87.3	87.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7

TOTAL NUMBER OF OBSERVATIONS

150



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

APR  
MONTH

22

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	32.7	56.0	57.3	57.3	57.3	58.0	58.0	58.0	58.0	58.7	58.7
≥ 20000	37.3	63.3	64.7	64.7	64.7	65.3	65.3	65.3	65.3	66.0	66.0
≥ 18000	37.3	63.3	64.7	64.7	64.7	65.3	65.3	65.3	65.3	66.0	66.0
≥ 16000	37.3	63.3	64.7	64.7	64.7	65.3	65.3	65.3	65.3	66.0	66.0
≥ 14000	38.0	64.0	65.3	65.3	65.3	66.0	66.0	66.0	66.0	66.7	66.7
≥ 12000	38.7	66.7	68.0	68.0	68.0	68.7	68.7	68.7	68.7	69.3	69.3
≥ 10000	41.3	70.0	72.0	72.0	72.0	72.7	72.7	72.7	72.7	73.3	73.3
≥ 9000	42.0	70.7	72.7	72.7	72.7	73.3	73.3	73.3	73.3	74.0	74.0
≥ 8000	44.0	74.0	76.0	76.7	76.7	77.3	77.3	77.3	77.3	78.0	78.0
≥ 7000	44.7	76.0	78.0	78.7	78.7	79.3	79.3	79.3	79.3	80.0	80.0
≥ 6000	45.3	76.7	78.7	79.3	79.3	80.0	80.0	80.0	80.0	80.7	80.7
≥ 5000	46.0	78.7	80.7	81.3	81.3	82.0	82.0	82.0	82.0	82.7	82.7
≥ 4500	46.0	79.3	81.3	82.0	82.0	82.7	82.7	82.7	82.7	83.3	83.3
≥ 4000	46.7	81.3	84.0	84.7	84.7	85.3	85.3	85.3	85.3	86.0	86.0
≥ 3500	46.7	82.0	85.3	86.0	86.0	86.7	86.7	86.7	86.7	87.3	87.3
≥ 3000	47.3	82.7	86.0	86.7	86.7	87.3	87.3	87.3	87.3	88.0	88.0
≥ 2500	47.3	82.7	86.0	87.3	88.0	88.7	88.7	88.7	88.7	89.3	89.3
≥ 2000	47.3	83.3	86.7	88.0	88.7	90.0	90.0	90.0	90.0	90.7	90.7
≥ 1800	47.3	84.0	87.3	88.7	89.3	90.7	90.7	90.7	90.7	91.3	91.3
≥ 1500	48.0	84.7	88.0	89.3	90.0	92.0	92.0	92.0	92.0	92.7	92.7
≥ 1200	48.0	85.3	88.7	90.0	90.7	92.7	92.7	92.7	92.7	93.3	93.3
≥ 1000	48.7	86.0	89.3	90.7	91.3	93.3	93.3	93.3	93.3	94.0	94.0
≥ 900	48.7	86.0	89.3	90.7	91.3	93.3	93.3	93.3	93.3	94.0	94.0
≥ 800	48.7	86.7	90.0	91.3	92.0	94.0	94.0	94.0	94.0	94.7	94.7
≥ 700	48.7	86.7	90.0	91.3	92.0	94.0	94.0	94.0	94.0	94.7	94.7
≥ 600	48.7	86.7	90.0	92.0	92.7	94.7	94.7	94.7	94.7	95.3	95.3
≥ 500	48.7	86.7	90.0	92.0	92.7	94.7	94.7	94.7	94.7	95.3	95.3
≥ 400	48.7	86.7	90.0	92.0	93.3	95.3	95.3	95.3	95.3	96.0	96.0
≥ 300	48.7	86.7	90.0	92.7	93.3	96.0	96.0	96.0	96.0	98.0	98.0
≥ 200	48.7	86.7	90.0	92.7	94.0	96.7	96.7	96.7	96.7	98.7	98.7
≥ 100	48.7	86.7	90.0	92.7	94.0	96.7	96.7	96.7	96.7	98.7	98.7
0	48.7	86.7	90.0	92.7	94.0	96.7	96.7	96.7	96.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

APR  
MONTH

ALL  
HOURS (L S T)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	30.9	52.1	52.6	52.8	53.2	53.3	53.3	53.4	53.4	53.5	53.5	53.5	53.6	53.6
≥ 20000	35.3	58.4	58.9	59.1	59.6	59.8	59.8	59.9	59.9	60.0	60.0	60.0	60.1	60.1
≥ 18000	35.3	58.6	59.1	59.3	59.8	60.0	60.0	60.1	60.1	60.2	60.2	60.2	60.3	60.3
≥ 16000	35.3	58.6	59.1	59.3	59.8	60.0	60.0	60.1	60.1	60.2	60.2	60.2	60.3	60.3
≥ 14000	35.7	59.1	59.5	59.7	60.3	60.5	60.5	60.6	60.6	60.7	60.7	60.7	60.7	60.7
≥ 12000	36.8	60.9	61.4	61.6	62.1	62.3	62.3	62.4	62.4	62.5	62.5	62.5	62.6	62.6
≥ 10000	38.8	64.4	64.8	64.8	65.4	65.6	65.6	65.7	65.7	65.7	65.7	65.8	65.8	65.8
≥ 9000	39.2	64.8	65.4	65.6	66.1	66.3	66.3	66.4	66.4	66.5	66.5	66.6	66.6	66.6
≥ 8000	41.0	68.2	68.9	69.2	69.7	69.9	69.9	70.0	70.0	70.1	70.1	70.2	70.2	70.2
≥ 7000	41.8	69.9	70.8	71.1	71.7	71.9	71.9	71.9	71.9	72.0	72.0	72.1	72.1	72.1
≥ 6000	42.0	70.9	71.4	71.7	72.2	72.4	72.4	72.5	72.5	72.6	72.6	72.7	72.7	72.7
≥ 5000	43.6	73.2	74.2	74.4	75.1	75.3	75.3	75.4	75.4	75.5	75.5	75.6	75.6	75.6
≥ 4500	44.8	75.6	76.7	76.9	77.6	77.8	77.8	77.9	77.9	78.0	78.0	78.1	78.1	78.1
≥ 4000	48.8	81.5	82.7	83.2	83.8	84.2	84.3	84.4	84.4	84.5	84.5	84.6	84.6	84.6
≥ 3500	49.4	82.3	83.8	84.3	85.0	85.4	85.5	85.7	85.7	85.7	85.7	85.8	85.8	85.8
≥ 3000	50.1	84.0	85.5	85.9	86.7	87.1	87.3	87.5	87.5	87.6	87.6	87.7	87.7	87.7
≥ 2500	50.3	84.5	86.0	86.6	87.7	88.2	88.3	88.5	88.5	88.6	88.6	88.7	88.7	88.7
≥ 2000	50.6	85.3	86.8	87.4	88.5	89.1	89.4	89.5	89.5	89.6	89.6	89.7	89.7	89.7
≥ 1800	50.6	85.5	86.9	87.6	88.7	89.4	89.6	89.8	89.8	89.9	89.9	90.0	90.0	90.0
≥ 1500	50.7	86.0	87.5	88.2	89.4	90.4	90.7	90.9	90.9	91.0	91.0	91.1	91.1	91.1
≥ 1200	50.8	86.6	88.2	89.0	90.2	91.2	91.5	91.8	91.8	91.9	91.9	91.9	91.9	91.9
≥ 1000	51.0	87.4	89.1	90.0	91.3	92.4	92.8	93.1	93.1	93.2	93.2	93.2	93.2	93.2
≥ 900	51.1	87.6	89.3	90.2	91.5	92.6	93.0	93.2	93.2	93.4	93.4	93.5	93.5	93.5
≥ 800	51.1	87.9	89.7	90.8	92.1	93.3	93.8	94.2	94.2	94.4	94.4	94.4	94.4	94.4
≥ 700	51.2	88.1	90.0	91.1	92.4	93.8	94.4	94.9	94.9	95.1	95.1	95.2	95.2	95.2
≥ 600	51.2	88.1	90.0	91.2	92.5	94.0	94.7	95.4	95.4	95.6	95.6	95.7	95.7	95.7
≥ 500	51.2	88.1	90.1	91.3	92.8	94.4	95.4	96.2	96.2	96.4	96.4	96.5	96.5	96.5
≥ 400	51.2	88.2	90.2	91.5	93.1	94.8	95.8	96.7	96.7	96.9	96.9	96.9	96.9	96.9
≥ 300	51.2	88.2	90.4	91.7	93.4	95.3	96.9	97.9	98.0	98.2	98.2	98.3	98.3	98.3
≥ 200	51.2	88.2	90.4	91.7	93.5	95.4	96.9	98.2	98.4	98.9	99.0	99.3	99.4	99.4
≥ 100	51.2	88.2	90.4	91.7	93.5	95.4	96.9	98.2	98.4	98.9	99.1	99.4	99.4	99.4
≥ 0	51.2	88.2	90.4	91.7	93.5	95.4	96.9	98.2	98.4	98.9	99.1	99.4	99.4	99.4

1080

TOTAL NUMBER OF OBSERVATIONS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	20.4	33.3	37.0	38.7	40.9	41.9	43.0	43.0	43.0	44.1	44.1	45.2	45.2
≥ 20000	22.6	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	48.4	48.4
≥ 18000	22.6	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	48.4	48.4
≥ 16000	22.6	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	48.4	48.4
≥ 14000	22.6	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	48.4	48.4
≥ 12000	22.6	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	48.4	48.4
≥ 10000	28.0	44.1	48.4	49.5	51.6	52.7	53.8	53.8	53.8	54.8	54.8	55.9	55.9
≥ 9000	29.0	45.2	49.5	50.5	52.7	53.8	54.8	54.8	54.8	55.9	55.9	57.0	57.0
≥ 8000	30.1	49.5	53.8	54.8	57.0	58.1	59.1	59.1	59.1	60.2	60.2	61.3	61.3
≥ 7000	31.2	53.8	58.1	59.1	61.3	63.4	64.5	64.5	64.5	65.6	65.6	66.7	66.7
≥ 6000	31.2	53.8	58.1	60.2	62.4	64.5	65.6	65.6	65.6	66.7	66.7	67.7	67.7
≥ 5000	31.2	54.8	59.1	62.4	64.5	66.7	67.7	67.7	67.7	68.8	68.8	69.9	69.9
≥ 4500	31.2	54.8	59.1	62.4	64.5	66.7	67.7	67.7	67.7	68.8	68.8	69.9	69.9
≥ 4000	32.3	59.1	63.4	67.7	71.0	73.1	74.2	74.2	74.2	75.3	75.3	76.3	76.3
≥ 3500	32.3	59.1	63.4	67.7	71.0	73.1	74.2	74.2	74.2	75.3	75.3	76.3	76.3
≥ 3000	32.3	59.1	63.4	67.7	71.0	73.1	74.2	74.2	74.2	75.3	75.3	76.3	76.3
≥ 2500	32.3	61.3	65.6	69.9	73.1	75.3	77.4	77.4	77.4	78.5	78.5	79.6	79.6
≥ 2000	32.3	61.3	65.6	69.9	73.1	75.3	77.4	77.4	77.4	78.5	78.5	79.6	79.6
≥ 1800	32.3	61.3	65.6	69.9	73.1	75.3	77.4	77.4	77.4	78.5	78.5	79.6	79.6
≥ 1500	32.3	62.4	66.7	71.0	74.2	76.3	78.5	78.5	78.5	80.7	80.7	81.7	81.7
≥ 1200	32.3	62.4	66.7	71.0	74.2	76.3	78.5	78.5	78.5	80.7	80.7	81.7	81.7
≥ 1000	32.3	62.4	66.7	71.0	74.2	76.3	78.5	78.5	78.5	80.7	80.7	81.7	81.7
≥ 900	32.3	62.4	66.7	71.0	74.2	76.3	78.5	78.5	78.5	80.7	80.7	81.7	81.7
≥ 800	32.3	62.4	66.7	71.0	74.2	76.3	78.5	78.5	78.5	80.7	80.7	81.7	81.7
≥ 700	32.3	62.4	66.7	72.0	75.3	77.4	80.7	80.7	80.7	81.7	81.7	82.8	82.8
≥ 600	32.3	63.4	69.9	75.3	78.5	80.7	83.9	86.0	86.0	88.2	88.2	89.3	89.3
≥ 500	32.3	64.5	71.0	76.3	79.6	81.7	85.0	87.1	87.1	89.3	89.3	90.3	90.3
≥ 400	32.3	64.5	71.0	76.3	80.7	82.8	86.0	88.2	88.2	90.3	90.3	91.4	91.4
≥ 300	32.3	64.5	71.0	76.3	80.7	82.8	86.0	88.2	88.2	90.3	90.3	91.4	91.4
≥ 200	32.3	64.5	71.0	76.3	80.7	82.8	86.0	88.2	88.2	90.3	90.3	91.4	91.4
≥ 100	32.3	64.5	71.0	76.3	80.7	82.8	86.0	88.2	88.2	90.3	90.3	91.4	91.4
0	32.3	64.5	71.0	76.3	80.7	82.8	86.0	88.2	88.2	90.3	90.3	91.4	91.4

TOTAL NUMBER OF OBSERVATIONS

93



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	14.0	32.3	33.3	34.4	37.6	38.7	38.7	38.7	38.7	40.9	41.9	41.9	41.9
≥ 20000	16.1	36.6	38.7	39.8	44.1	45.2	45.2	45.2	45.2	47.3	48.4	48.4	48.4
≥ 18000	16.1	36.6	38.7	39.8	44.1	45.2	45.2	45.2	45.2	47.3	48.4	48.4	48.4
≥ 16000	16.1	36.6	38.7	39.8	44.1	45.2	45.2	45.2	45.2	47.3	48.4	48.4	48.4
≥ 14000	16.1	36.6	38.7	39.8	44.1	45.2	45.2	45.2	45.2	47.3	48.4	48.4	48.4
≥ 12000	17.2	38.7	40.9	41.9	46.2	47.3	47.3	47.3	47.3	49.5	50.5	50.5	50.5
≥ 10000	18.3	39.8	41.9	43.0	47.3	48.4	48.4	48.4	48.4	50.5	51.6	51.6	51.6
≥ 9000	19.4	40.9	43.0	44.1	48.4	49.5	49.5	49.5	49.5	51.6	52.7	52.7	52.7
≥ 8000	20.4	44.1	46.2	47.3	52.7	53.8	53.8	53.8	53.8	55.9	57.0	57.0	57.0
≥ 7000	22.6	47.3	49.5	50.5	55.9	57.0	57.0	57.0	57.0	59.1	60.2	60.2	60.2
≥ 6000	24.7	49.5	51.6	52.7	58.1	59.1	59.1	59.1	59.1	61.3	62.4	62.4	62.4
≥ 5000	24.7	51.6	53.8	54.8	60.2	61.3	61.3	61.3	61.3	63.5	64.6	64.6	64.6
≥ 4500	24.7	54.8	57.0	58.1	63.5	64.6	64.6	64.6	64.6	66.7	67.8	67.8	67.8
≥ 4000	24.7	55.9	58.1	59.1	64.6	65.6	65.6	65.6	65.6	67.8	68.8	68.8	68.8
≥ 3500	24.7	58.1	60.2	61.3	66.7	67.8	67.8	67.8	67.8	69.9	71.0	71.0	71.0
≥ 3000	24.7	58.1	60.2	61.3	66.7	67.8	67.8	67.8	67.8	69.9	71.0	71.0	71.0
≥ 2500	24.7	59.1	61.3	62.4	67.8	68.8	68.8	68.8	68.8	71.0	72.0	72.0	72.0
≥ 2000	24.7	60.2	62.4	63.5	69.9	71.0	71.0	71.0	71.0	73.1	74.2	74.2	74.2
≥ 1800	24.7	60.2	62.4	63.5	69.9	71.0	71.0	71.0	71.0	73.1	74.2	74.2	74.2
≥ 1500	24.7	61.3	63.5	64.6	71.0	72.0	72.0	72.0	72.0	74.2	75.3	75.3	75.3
≥ 1200	24.7	61.3	63.5	64.6	71.0	72.0	72.0	72.0	72.0	74.2	75.3	75.3	75.3
≥ 1000	24.7	62.4	64.6	65.6	72.0	73.1	73.1	73.1	73.1	75.3	76.3	76.3	76.3
≥ 900	24.7	62.4	64.6	65.6	72.0	73.1	73.1	73.1	73.1	75.3	76.3	76.3	76.3
≥ 800	24.7	63.5	65.6	66.7	73.1	74.2	74.2	74.2	74.2	76.3	77.4	77.4	77.4
≥ 700	25.8	64.6	66.7	67.8	74.2	75.3	75.3	75.3	75.3	77.4	78.5	78.5	78.5
≥ 600	25.8	64.6	66.7	67.8	74.2	75.3	75.3	75.3	75.3	77.4	78.5	78.5	78.5
≥ 500	25.8	64.6	66.7	67.8	74.2	75.3	75.3	75.3	75.3	77.4	78.5	78.5	78.5
≥ 400	25.8	64.6	66.7	67.8	74.2	75.3	75.3	75.3	75.3	77.4	78.5	78.5	78.5
≥ 300	25.8	64.6	66.7	67.8	74.2	75.3	75.3	75.3	75.3	77.4	78.5	78.5	78.5
≥ 200	25.8	64.6	66.7	67.8	74.2	75.3	75.3	75.3	75.3	77.4	78.5	78.5	78.5
≥ 100	25.8	64.6	66.7	67.8	74.2	75.3	75.3	75.3	75.3	77.4	78.5	78.5	78.5
≥ 0	25.8	64.6	66.7	67.8	74.2	75.3	75.3	75.3	75.3	77.4	78.5	78.5	78.5

TOTAL NUMBER OF OBSERVATIONS

93

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	8.4	38.1	40.7	42.6	45.2	45.2	45.8	47.1	47.1	47.1	47.1	47.1	47.1	48.4
≥ 20000	9.0	41.9	44.5	47.1	50.3	50.3	51.0	52.3	52.3	52.3	52.3	52.3	52.3	53.6
≥ 18000	9.0	41.9	44.5	47.1	50.3	50.3	51.0	52.3	52.3	52.3	52.3	52.3	52.3	53.6
≥ 16000	9.0	41.9	44.5	47.1	50.3	50.3	51.0	52.3	52.3	52.3	52.3	52.3	52.3	53.6
≥ 14000	9.0	41.9	44.5	47.1	50.3	50.3	51.0	52.3	52.3	52.3	52.3	52.3	52.3	53.6
≥ 12000	9.7	42.6	45.2	47.7	51.0	51.0	51.6	52.9	52.9	52.9	52.9	52.9	52.9	54.2
≥ 10000	11.6	46.5	49.0	52.3	56.8	56.8	57.4	58.7	58.7	58.7	58.7	59.4	59.4	60.0
≥ 9000	11.6	47.1	49.7	52.9	57.4	57.4	58.1	59.4	59.4	59.4	59.4	60.0	60.0	60.7
≥ 8000	13.6	51.0	53.6	56.8	61.3	61.3	61.9	63.2	63.2	63.2	63.2	63.9	63.9	64.5
≥ 7000	14.8	54.2	56.8	60.0	65.2	65.2	65.8	67.1	67.1	67.1	67.1	67.7	67.7	68.4
≥ 6000	14.8	54.8	57.4	60.7	65.8	65.8	66.5	67.7	67.7	67.7	67.7	68.4	68.4	69.0
≥ 5000	16.1	57.4	60.0	63.2	68.4	68.4	69.0	70.3	70.3	70.3	70.3	71.0	71.0	71.6
≥ 4500	16.1	58.7	61.3	64.5	69.7	69.7	71.0	72.3	72.3	72.3	72.3	72.9	72.9	73.6
≥ 4000	17.4	60.0	62.6	65.8	71.6	71.6	72.9	74.2	74.2	74.2	74.2	74.8	74.8	75.5
≥ 3500	17.4	60.0	62.6	65.8	71.6	71.6	72.9	74.2	74.2	74.2	74.2	74.8	74.8	75.5
≥ 3000	18.1	60.7	63.2	66.5	72.3	72.3	73.6	74.8	74.8	74.8	74.8	75.5	75.5	76.1
≥ 2500	18.1	61.3	64.5	67.7	74.2	74.2	75.5	76.8	76.8	76.8	76.8	77.4	77.4	78.1
≥ 2000	18.7	62.6	66.5	69.7	76.1	76.1	77.4	78.7	78.7	78.7	78.7	79.4	79.4	80.0
≥ 1800	18.7	62.6	66.5	69.7	76.1	76.1	77.4	78.7	78.7	78.7	78.7	79.4	79.4	80.0
≥ 1500	18.7	62.6	66.5	69.7	76.1	76.1	77.4	78.7	78.7	78.7	78.7	79.4	79.4	80.0
≥ 1200	19.4	63.9	67.7	71.6	78.1	78.1	79.4	80.7	80.7	80.7	80.7	81.3	81.3	81.9
≥ 1000	20.0	65.2	69.0	72.9	79.4	79.4	80.7	81.9	81.9	81.9	81.9	82.6	82.6	83.2
≥ 900	20.0	65.8	69.7	73.6	80.0	80.0	81.3	82.6	82.6	82.6	82.6	83.2	83.2	83.9
≥ 800	20.0	66.5	71.0	74.8	81.3	81.3	82.6	83.9	83.9	83.9	83.9	84.5	84.5	85.2
≥ 700	20.0	66.5	71.0	74.8	81.3	81.3	82.6	83.9	83.9	83.9	83.9	84.5	84.5	85.2
≥ 600	20.0	66.5	71.0	75.5	82.6	82.6	83.9	85.2	85.2	85.2	85.2	85.8	85.8	86.5
≥ 500	20.0	66.5	71.0	75.5	83.2	83.2	84.5	85.8	85.8	85.8	85.8	86.4	86.4	87.1
≥ 400	20.0	66.5	71.0	75.5	83.2	83.2	84.5	85.8	85.8	85.8	85.8	86.4	86.4	87.1
≥ 300	20.0	66.5	71.0	75.5	83.9	83.9	85.2	86.5	86.5	86.5	86.5	87.1	87.1	87.7
≥ 200	20.0	66.5	71.0	75.5	83.9	83.9	85.2	86.5	86.5	86.5	86.5	87.1	87.1	87.7
≥ 100	20.0	66.5	71.0	75.5	83.9	83.9	85.2	86.5	86.5	86.5	86.5	87.1	87.1	87.7
0	20.0	66.5	71.0	75.5	83.9	83.9	85.2	86.5	86.5	86.5	86.5	87.1	87.1	87.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	22.6	45.8	47.1	47.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 20000	27.1	54.2	55.5	55.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 18000	27.1	54.8	56.1	56.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 16000	27.1	54.8	56.1	56.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 14000	27.1	55.5	56.8	56.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 12000	27.1	55.5	56.8	56.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 10000	27.7	57.4	58.7	58.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	27.7	57.4	58.7	58.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	27.7	59.4	60.7	60.7	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	28.4	61.3	62.6	62.6	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 6000	28.4	61.3	62.6	62.6	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 5000	30.3	63.9	65.2	65.2	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500	31.0	65.2	66.5	66.5	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4000	32.9	68.4	69.7	69.7	70.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3500	34.2	70.3	71.6	72.3	74.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3000	35.5	74.2	75.5	76.1	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2500	36.1	76.1	77.4	78.1	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	36.8	79.4	80.7	81.3	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1800	36.8	79.4	80.7	81.3	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1500	37.4	81.3	83.2	84.5	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1200	37.4	82.6	84.5	85.8	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1000	37.4	82.6	84.5	85.8	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900	37.4	82.6	84.5	85.8	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 800	37.4	82.6	84.5	85.8	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 700	37.4	83.2	86.5	88.4	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 600	37.4	83.2	86.5	88.4	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 500	37.4	83.2	86.5	88.4	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 400	37.4	84.5	87.7	89.0	92.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 300	37.4	84.5	87.7	89.0	92.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 200	37.4	84.5	87.7	89.0	92.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 100	37.4	84.5	87.7	89.0	92.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 0	37.4	84.5	87.7	89.0	92.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS

155



## CEILING VERSUS VISIBILITY

14780  
STATIONLAKEHURST, NEW JERSEY  
STATION NAME73-77  
YEARSMAY  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)13  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	26.5	39.4	40.0	40.0	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 20000	31.6	46.5	47.1	47.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 18000	31.6	46.5	47.1	47.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 16000	31.6	46.5	47.1	47.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 14000	31.6	46.5	47.1	47.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 12000	31.6	47.1	47.7	47.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 10000	32.3	49.7	50.3	51.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 9000	32.3	50.3	51.0	51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 8000	32.9	52.3	53.6	54.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 7000	32.9	53.6	54.8	55.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 6000	32.9	53.6	54.8	55.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 5000	34.2	55.5	56.8	57.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 4500	36.8	61.3	62.6	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4000	38.7	64.5	65.8	66.5	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 3500	41.3	69.0	70.3	71.0	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3000	42.6	77.4	78.7	79.4	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2500	44.5	81.9	83.2	83.9	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2000	45.2	85.2	86.5	87.1	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	45.2	85.2	86.5	87.1	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1500	45.2	86.5	87.7	88.4	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200	45.2	89.0	90.3	91.0	93.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000	45.2	89.7	91.0	92.3	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	45.2	89.7	91.0	92.3	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	45.2	89.7	91.0	92.3	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	45.2	89.7	91.0	92.3	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	45.2	89.7	91.0	92.3	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	45.2	89.7	91.0	92.3	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	45.2	89.7	91.0	92.3	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	45.2	89.7	91.0	92.3	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	45.2	89.7	91.0	92.3	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	45.2	89.7	91.0	92.3	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	45.2	89.7	91.0	92.3	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	22.6	43.2	44.5	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	27.7	51.0	52.3	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 18000	27.7	51.6	52.9	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 16000	27.7	51.6	52.9	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 14000	29.0	52.9	54.2	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 12000	29.0	52.9	54.2	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 10000	29.7	54.2	55.5	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 9000	29.7	54.8	56.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 8000	31.6	58.7	60.7	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	31.6	59.4	61.3	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 6000	31.6	59.4	61.3	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 5000	31.6	62.6	64.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 4500	32.3	65.2	67.1	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4000	36.1	73.6	77.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500	37.4	76.1	80.0	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3000	38.7	80.7	84.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500	40.7	83.2	87.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2000	41.3	85.8	90.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800	41.3	85.8	90.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1500	41.3	86.5	91.0	92.9	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1200	41.3	87.7	92.3	94.2	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000	41.3	88.4	92.9	94.8	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 900	41.3	88.4	92.9	94.8	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800	41.3	88.4	93.6	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	41.3	88.4	93.6	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600	41.3	88.4	93.6	95.5	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	41.3	88.4	93.6	95.5	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400	41.3	88.4	93.6	95.5	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300	41.3	88.4	93.6	95.5	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200	41.3	88.4	93.6	95.5	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 100	41.3	88.4	93.6	95.5	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
0	41.3	88.4	93.6	95.5	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	23.2	43.9	45.8	45.8	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	25.8	49.0	51.0	51.0	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 18000	25.8	50.3	52.3	52.3	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 16000	25.8	50.3	52.3	52.3	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 14000	25.8	51.0	52.9	52.9	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 12000	26.5	52.9	54.8	54.8	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 10000	28.4	57.4	59.4	59.4	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	28.4	57.4	59.4	59.4	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	29.7	62.6	64.5	65.2	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 7000	30.3	63.9	65.8	67.1	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 6000	30.3	63.9	65.8	67.1	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 5000	30.3	68.4	70.3	71.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4500	31.6	70.3	72.9	74.2	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4000	33.6	74.2	76.8	78.1	80.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3500	34.2	76.1	79.4	80.7	83.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3000	34.2	76.1	80.0	83.2	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2500	34.8	76.8	81.3	84.5	87.1	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2000	34.8	77.4	81.9	85.2	88.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	34.8	78.1	82.6	85.8	89.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	34.8	78.7	83.9	87.7	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1200	34.8	78.7	83.9	87.7	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1000	34.8	78.7	84.5	88.4	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 900	34.8	79.4	85.2	89.0	92.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 800	34.8	80.0	85.8	89.7	92.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 700	34.8	80.0	85.8	89.7	92.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 600	34.8	80.0	85.8	89.7	92.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 500	34.8	80.0	85.8	89.7	92.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 400	34.8	80.0	85.8	89.7	92.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 300	34.8	80.0	85.8	89.7	92.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 200	34.8	80.0	85.8	89.7	92.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 100	34.8	80.0	85.8	89.7	92.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
0	34.8	80.0	85.8	89.7	92.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½
NO CEILING	23.9	43.9	45.2	46.5	46.5	46.5	47.1	47.7	47.7	47.7	47.7
≥ 20000	26.5	48.4	51.0	52.3	52.3	52.3	52.9	54.2	54.2	54.2	54.2
≥ 18000	26.5	49.0	51.6	52.9	52.9	52.9	53.6	54.8	54.8	54.8	54.8
≥ 16000	26.5	49.0	51.6	52.9	52.9	52.9	53.6	54.8	54.8	54.8	54.8
≥ 14000	26.5	49.0	51.6	52.9	52.9	52.9	53.6	54.8	54.8	54.8	54.8
≥ 12000	26.5	50.3	52.9	54.2	54.2	54.2	54.8	56.1	56.1	56.1	56.1
≥ 10000	29.0	54.2	56.8	58.7	58.7	58.7	59.4	60.7	60.7	60.7	60.7
≥ 9000	29.0	54.8	57.4	59.4	59.4	59.4	60.0	61.3	61.3	61.3	61.3
≥ 8000	31.0	58.1	61.9	63.9	63.9	63.9	64.5	65.8	65.8	65.8	65.8
≥ 7000	31.0	58.1	61.9	63.9	63.9	63.9	64.5	65.8	65.8	65.8	65.8
≥ 6000	31.0	58.1	61.9	63.9	63.9	63.9	64.5	65.8	65.8	65.8	65.8
≥ 5000	32.3	60.0	63.9	65.8	65.8	65.8	66.5	67.1	68.4	68.4	68.4
≥ 4500	32.9	60.7	65.2	67.1	67.1	67.1	67.7	69.7	69.7	69.7	69.7
≥ 4000	34.2	67.1	72.3	74.2	74.2	74.2	74.8	76.8	76.8	76.8	76.8
≥ 3500	34.2	68.4	74.2	76.1	76.1	76.1	76.8	78.7	78.7	78.7	78.7
≥ 3000	34.8	71.6	77.4	80.0	81.3	81.3	81.9	83.2	83.2	83.2	83.2
≥ 2500	35.5	72.9	78.7	81.3	83.2	83.2	83.9	85.2	85.2	85.2	85.2
≥ 2000	35.5	72.9	78.7	81.3	83.2	83.2	83.9	85.2	85.2	85.2	85.2
≥ 1800	35.5	72.9	78.7	81.3	83.2	83.2	83.9	85.2	85.2	85.2	85.2
≥ 1500	35.5	74.2	80.0	83.2	85.2	85.2	86.5	87.7	87.7	87.7	87.7
≥ 1200	35.5	74.2	80.0	83.2	85.2	85.2	86.5	87.7	87.7	87.7	87.7
≥ 1000	35.5	74.8	81.3	85.2	87.7	87.7	89.0	91.0	91.0	91.0	91.0
≥ 900	35.5	74.8	81.3	85.2	87.7	87.7	89.0	91.0	91.0	91.0	91.0
≥ 800	35.5	74.8	81.3	85.2	87.7	87.7	89.0	91.0	91.0	91.0	91.0
≥ 700	35.5	75.5	81.9	86.5	89.0	89.0	90.3	92.9	92.9	92.9	92.9
≥ 600	35.5	75.5	82.6	87.1	89.7	89.7	91.0	94.2	94.2	94.2	94.2
≥ 500	35.5	76.1	83.2	87.7	90.3	90.3	91.6	94.8	94.8	94.8	94.8
≥ 400	35.5	76.8	83.9	88.4	91.6	91.6	92.9	96.8	96.8	96.8	96.8
≥ 300	35.5	76.8	83.9	88.4	91.6	91.6	92.9	97.4	97.4	97.4	97.4
≥ 200	35.5	76.8	83.9	88.4	91.6	91.6	92.9	97.4	97.4	97.4	97.4
≥ 100	35.5	76.8	83.9	88.4	91.6	91.6	92.9	97.4	97.4	97.4	97.4
0	35.5	76.8	83.9	88.4	91.6	91.6	92.9	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MAY  
MONTH

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	20.5	40.8	42.5	43.4	44.6	44.9	45.2	45.4	45.7	45.8	45.8	45.9	46.0	46.2
≥ 20000	23.8	46.5	48.5	49.5	51.1	51.3	51.6	52.0	52.2	52.3	52.3	52.4	52.5	52.8
≥ 18000	23.8	47.0	48.9	49.9	51.5	51.8	52.1	52.4	52.7	52.8	52.8	52.9	53.0	53.2
≥ 16000	23.8	47.0	48.9	49.9	51.5	51.8	52.1	52.4	52.7	52.8	52.8	52.9	53.0	53.2
≥ 14000	23.9	47.3	49.3	50.3	51.9	52.2	52.4	52.8	53.1	53.1	53.1	53.2	53.3	53.6
≥ 12000	24.2	48.2	50.2	51.2	52.8	53.1	53.3	53.7	53.9	54.0	54.0	54.1	54.2	54.5
≥ 10000	25.9	51.3	53.3	54.6	56.5	56.8	57.1	57.4	57.7	57.8	57.8	57.9	58.0	58.2
≥ 9000	26.1	51.9	53.9	55.1	57.0	57.4	57.6	58.0	58.2	58.3	58.3	58.4	58.5	58.8
≥ 8000	27.3	55.3	57.6	59.0	60.9	61.3	61.6	61.9	62.2	62.3	62.3	62.4	62.5	62.7
≥ 7000	28.0	57.1	59.4	60.8	62.9	63.4	63.6	64.0	64.3	64.3	64.3	64.4	64.5	64.8
≥ 6000	28.1	57.4	59.7	61.2	63.3	63.7	64.0	64.3	64.6	64.7	64.7	64.8	64.9	65.1
≥ 5000	28.9	60.0	62.3	63.9	66.1	66.6	66.9	67.3	67.6	67.7	67.7	67.8	67.9	68.1
≥ 4500	29.8	62.1	64.6	66.2	68.5	68.9	69.4	69.7	70.0	70.1	70.1	70.2	70.3	70.5
≥ 4000	31.5	66.2	69.1	70.9	73.5	74.2	74.6	75.0	75.3	75.4	75.4	75.5	75.6	75.8
≥ 3500	32.4	68.1	71.2	72.9	75.5	76.3	76.8	77.2	77.4	77.5	77.5	77.6	77.7	78.0
≥ 3000	33.1	71.0	74.1	76.3	78.9	79.8	80.2	80.6	80.8	80.9	80.9	81.0	81.1	81.4
≥ 2500	33.9	72.9	76.3	78.4	81.3	82.3	82.8	83.2	83.4	83.5	83.5	83.6	83.7	84.0
≥ 2000	34.2	74.5	78.0	80.1	83.2	84.2	84.8	85.1	85.4	85.5	85.5	85.6	85.7	85.9
≥ 1800	34.2	74.6	78.1	80.2	83.3	84.3	84.9	85.2	85.5	85.6	85.6	85.7	85.8	86.0
≥ 1500	34.3	75.5	79.2	81.7	84.9	85.9	86.6	86.9	87.3	87.4	87.4	87.5	87.6	87.8
≥ 1200	34.4	76.4	80.1	82.6	85.8	86.9	87.5	88.0	88.4	88.4	88.4	88.5	88.6	88.9
≥ 1000	34.5	77.0	81.0	83.8	87.1	88.4	89.2	89.6	89.9	90.1	90.1	90.1	90.2	90.6
≥ 900	34.5	77.2	81.2	84.0	87.4	88.6	89.7	90.1	90.5	90.6	90.6	90.7	90.8	91.1
≥ 800	34.5	77.4	81.6	84.5	87.9	89.2	90.2	90.8	91.1	91.2	91.2	91.3	91.4	91.8
≥ 700	34.6	77.7	81.9	84.9	88.3	89.7	90.8	91.6	91.9	92.0	92.0	92.1	92.3	92.7
≥ 600	34.6	77.8	82.4	85.4	89.0	90.7	91.9	93.0	93.4	93.5	93.5	93.6	93.7	94.1
≥ 500	34.6	78.1	82.7	85.8	89.5	91.4	92.7	94.3	94.7	94.8	94.8	94.9	95.0	95.4
≥ 400	34.6	78.2	82.9	85.9	90.1	92.1	93.4	95.3	96.0	96.2	96.2	96.3	96.4	96.9
≥ 300	34.6	78.2	82.9	85.9	90.2	92.2	93.6	95.8	96.8	97.4	97.4	97.6	97.7	98.1
≥ 200	34.6	78.2	82.9	85.9	90.2	92.2	93.7	96.0	97.0	97.8	97.8	98.0	98.1	98.8
≥ 100	34.6	78.2	82.9	85.9	90.2	92.2	93.7	96.0	97.0	97.8	97.8	98.0	98.1	99.9
0	34.6	78.2	82.9	85.9	90.2	92.2	93.7	96.0	97.0	97.8	97.8	98.0	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS

1116



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75  
YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	10.0	32.2	32.2	33.3	37.8	40.0	42.2	44.4	44.4	45.6	45.6
≥ 20000	10.0	32.2	33.3	34.4	38.9	41.1	43.3	45.6	45.6	46.7	46.7
AI 18000	10.0	32.2	33.3	34.4	38.9	41.1	43.3	45.6	45.6	46.7	46.7
AI 16000	10.0	32.2	33.3	34.4	38.9	41.1	43.3	45.6	45.6	46.7	46.7
AI 14000	10.0	32.2	33.3	34.4	38.9	41.1	43.3	45.6	45.6	46.7	46.7
AI 12000	10.0	33.3	34.4	35.6	40.0	42.2	44.4	46.7	46.7	47.8	47.8
AI 10000	10.0	36.7	37.8	40.0	45.6	47.8	51.1	53.3	53.3	54.4	54.4
AI 9000	10.0	36.7	37.8	40.0	45.6	47.8	51.1	53.3	53.3	54.4	54.4
AI 8000	12.2	43.3	44.4	46.7	53.3	55.6	58.9	61.1	61.1	62.2	62.2
AI 7000	12.2	45.6	46.7	48.9	55.6	57.8	61.1	63.3	63.3	64.4	64.4
AI 6000	12.2	45.6	46.7	48.9	55.6	57.8	61.1	63.3	63.3	64.4	64.4
AI 5000	13.3	47.8	48.9	51.1	57.8	60.0	63.3	65.6	65.6	66.7	66.7
AI 4500	13.3	48.9	51.1	53.3	60.0	62.2	65.6	67.8	67.8	68.9	68.9
AI 4000	13.3	50.0	52.2	54.4	61.1	63.3	66.7	68.9	68.9	70.0	70.0
AI 3500	13.3	50.0	52.2	54.4	61.1	63.3	66.7	68.9	68.9	70.0	70.0
AI 3000	13.3	50.0	52.2	54.4	61.1	63.3	66.7	68.9	68.9	70.0	70.0
AI 2500	13.3	51.1	53.3	56.7	64.4	66.7	70.0	72.2	72.2	73.3	73.3
AI 2000	13.3	51.1	53.3	56.7	64.4	66.7	70.0	72.2	72.2	73.3	73.3
AI 1800	14.4	52.2	54.4	57.8	65.6	67.8	71.1	73.3	73.3	74.4	74.4
AI 1600	14.4	52.2	54.4	57.8	65.6	67.8	71.1	73.3	73.3	74.4	74.4
AI 1400	14.4	52.2	54.4	57.8	65.6	67.8	71.1	73.3	73.3	74.4	74.4
AI 1200	14.4	52.2	54.4	57.8	65.6	67.8	71.1	73.3	73.3	74.4	74.4
AI 1000	14.4	52.2	54.4	57.8	65.6	67.8	71.1	73.3	73.3	74.4	74.4
AI 900	14.4	54.4	56.7	60.0	67.8	70.0	73.3	75.6	75.6	76.7	76.7
AI 800	14.4	55.6	57.8	61.1	68.9	71.1	74.4	76.7	76.7	77.8	77.8
AI 700	14.4	55.6	57.8	61.1	68.9	71.1	74.4	76.7	76.7	77.8	77.8
AI 600	14.4	56.7	60.0	64.4	72.2	74.4	78.9	82.2	82.2	83.3	83.3
AI 500	14.4	56.7	60.0	64.4	72.2	74.4	78.9	82.2	82.2	83.3	83.3
AI 400	14.4	56.7	60.0	64.4	72.2	75.6	84.4	88.9	88.9	89.9	89.9
AI 300	14.4	56.7	60.0	64.4	72.2	75.6	84.4	88.9	88.9	89.9	89.9
AI 200	14.4	56.7	60.0	64.4	72.2	76.7	86.7	91.1	91.1	92.2	92.2
AI 100	14.4	56.7	60.0	64.4	72.2	76.7	86.7	91.1	91.1	92.2	92.2
0	14.4	56.7	60.0	64.4	72.2	76.7	86.7	91.1	91.1	92.2	92.2

TOTAL NUMBER OF OBSERVATIONS

90



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75

YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	7.8	22.2	24.4	28.9	31.1	33.3	37.8	41.1	41.1	42.2	43.3	43.3
≥ 20000	8.9	23.3	26.7	31.1	33.3	35.6	40.0	43.3	43.3	44.4	45.6	45.6
≥ 18000	8.9	23.3	26.7	31.1	33.3	35.6	40.0	43.3	43.3	44.4	45.6	45.6
≥ 16000	8.9	23.3	26.7	31.1	33.3	35.6	40.0	43.3	43.3	44.4	45.6	45.6
≥ 14000	8.9	23.3	26.7	31.1	33.3	35.6	40.0	43.3	43.3	44.4	45.6	45.6
≥ 12000	8.9	23.3	26.7	31.1	33.3	35.6	40.0	43.3	43.3	44.4	45.6	45.6
≥ 10000	8.9	23.3	27.8	32.2	34.4	36.7	41.1	44.4	44.4	45.6	47.8	47.8
≥ 9000	8.9	23.3	27.8	32.2	34.4	36.7	41.1	44.4	44.4	45.6	47.8	47.8
≥ 8000	8.9	26.7	31.1	35.6	38.9	41.1	45.6	48.9	48.9	51.1	52.2	52.2
≥ 7000	10.0	27.8	32.2	36.7	40.0	42.2	46.7	50.0	50.0	52.2	53.3	53.3
≥ 6000	10.0	27.8	32.2	36.7	40.0	42.2	46.7	50.0	50.0	52.2	53.3	53.3
≥ 5000	10.0	27.8	34.4	38.9	42.2	44.4	48.9	52.2	52.2	54.4	55.6	55.6
≥ 4500	11.1	28.9	36.7	41.1	44.4	46.7	51.1	54.4	54.4	56.7	57.8	57.8
≥ 4000	11.1	28.9	36.7	42.2	45.6	47.8	52.2	55.6	55.6	57.8	58.9	58.9
≥ 3500	11.1	28.9	36.7	42.2	45.6	47.8	52.2	55.6	55.6	57.8	58.9	58.9
≥ 3000	11.1	28.9	36.7	42.2	45.6	47.8	52.2	55.6	55.6	57.8	58.9	58.9
≥ 2500	11.1	30.0	37.8	43.3	47.8	50.0	55.6	58.9	58.9	60.0	61.1	61.1
≥ 2000	11.1	30.0	37.8	43.3	47.8	50.0	55.6	58.9	58.9	60.0	61.1	61.1
≥ 1800	11.1	30.0	37.8	43.3	47.8	50.0	55.6	58.9	58.9	60.0	61.1	61.1
≥ 1500	12.2	32.2	40.0	45.6	48.9	51.1	56.7	60.0	60.0	62.2	63.3	63.3
≥ 1200	12.2	33.3	41.1	46.7	52.2	54.4	61.1	64.4	64.4	66.7	67.8	67.8
≥ 1000	13.3	34.4	43.3	48.9	54.4	56.7	63.3	66.7	66.7	68.9	70.0	70.0
≥ 900	13.3	34.4	43.3	48.9	54.4	56.7	63.3	66.7	66.7	68.9	70.0	70.0
≥ 800	13.3	34.4	43.3	48.9	54.4	56.7	63.3	66.7	66.7	68.9	70.0	70.0
≥ 700	13.3	35.6	44.4	50.0	56.7	58.9	65.6	68.9	68.9	71.1	72.2	72.2
≥ 600	13.3	35.6	44.4	50.0	56.7	58.9	65.6	68.9	68.9	71.1	72.2	72.2
≥ 500	13.3	35.6	44.4	50.0	56.7	58.9	65.6	68.9	68.9	71.1	72.2	72.2
≥ 400	13.3	36.7	45.6	51.1	60.0	65.6	76.7	81.1	81.1	83.3	84.4	84.4
≥ 300	13.3	36.7	45.6	52.2	61.1	66.7	80.0	84.4	84.4	86.7	88.9	88.9
≥ 200	13.3	36.7	45.6	52.2	61.1	66.7	80.0	84.4	84.4	86.7	88.9	88.9
≥ 100	13.3	36.7	45.6	52.2	61.1	66.7	80.0	85.6	85.6	88.9	91.1	91.1
0	13.3	36.7	45.6	52.2	61.1	66.7	80.0	85.6	85.6	88.9	91.1	91.1

TOTAL NUMBER OF OBSERVATIONS

90

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

14780  
STATIONLAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

JUN  
MONTH

07

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	10.7	27.3	31.3	33.3	35.0	40.0	41.3	42.0	42.0	42.0	42.0
≥ 20000	10.7	30.0	34.0	36.7	42.7	44.7	46.0	46.7	46.7	46.7	46.7
≥ 18000	10.7	30.0	34.0	36.7	42.7	44.7	46.0	46.7	46.7	46.7	46.7
≥ 16000	10.7	30.0	34.0	36.7	42.7	44.7	46.0	46.7	46.7	46.7	46.7
≥ 14000	10.7	30.0	34.0	36.7	42.7	44.7	46.0	46.7	46.7	46.7	46.7
≥ 12000	10.7	30.7	34.7	37.3	43.3	45.3	46.7	47.3	47.3	47.3	47.3
≥ 10000	11.3	34.0	40.0	42.7	48.7	50.7	52.7	53.3	53.3	53.3	53.3
≥ 9000	11.3	34.0	40.0	42.7	48.7	50.7	52.7	53.3	53.3	53.3	53.3
≥ 8000	11.3	36.0	42.0	45.3	52.0	54.0	56.0	56.7	56.7	56.7	56.7
≥ 7000	11.3	37.3	43.3	46.7	53.3	55.3	57.3	58.0	58.0	58.7	58.7
≥ 6000	11.3	38.0	44.0	48.0	54.7	56.7	58.7	59.3	59.3	60.0	60.0
≥ 5000	11.3	39.3	46.0	50.0	56.7	58.7	60.7	61.3	61.3	62.0	62.0
≥ 4500	11.3	40.0	47.3	51.3	58.7	60.7	62.7	63.3	63.3	64.0	64.0
≥ 4000	12.0	42.7	50.7	54.7	62.0	64.0	66.0	66.7	66.7	67.3	67.3
≥ 3500	12.0	43.3	51.3	55.3	62.7	64.7	66.7	67.3	67.3	68.0	68.0
≥ 3000	12.0	43.3	51.3	55.3	63.3	65.3	67.3	69.3	69.3	70.0	70.0
≥ 2500	12.0	43.3	52.0	56.0	64.0	66.0	68.0	70.0	70.0	70.7	70.7
≥ 2000	12.0	44.0	52.7	56.7	64.7	66.7	68.7	70.7	70.7	71.3	71.3
≥ 1800	12.0	44.7	53.3	57.3	66.0	68.0	70.0	72.0	72.0	72.7	72.7
≥ 1500	12.0	46.0	54.7	59.3	68.0	70.0	72.0	74.0	74.0	74.7	74.7
≥ 1200	12.0	46.0	55.3	60.7	69.3	71.3	73.3	75.3	75.3	76.0	76.0
≥ 1000	12.0	46.7	56.0	61.3	70.0	72.0	74.0	76.0	76.0	76.7	76.7
≥ 900	12.0	46.7	56.0	61.3	70.7	72.7	74.7	76.7	76.7	77.3	77.3
≥ 800	12.0	49.3	58.7	64.0	74.0	76.0	78.0	80.0	80.0	80.7	80.7
≥ 700	12.0	50.7	60.0	65.3	75.3	78.0	80.7	82.7	82.7	83.3	83.3
≥ 600	12.0	50.7	60.0	65.3	75.3	78.0	80.7	82.7	82.7	83.3	83.3
≥ 500	12.0	52.0	61.3	66.7	77.3	81.3	84.7	86.7	86.7	87.3	87.3
≥ 400	12.0	52.0	61.3	66.7	78.0	83.3	86.7	90.0	90.0	90.7	90.7
≥ 300	12.0	52.0	61.3	66.7	78.0	84.0	88.0	91.3	91.3	92.0	92.0
≥ 200	12.0	52.0	61.3	66.7	78.0	84.0	88.0	92.7	92.7	94.0	94.0
≥ 100	12.0	52.0	61.3	66.7	78.0	84.0	88.0	92.7	92.7	94.0	94.0
0	12.0	52.0	61.3	66.7	78.0	84.0	88.0	92.7	92.7	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS

150



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY

73-77

STATION NAME

YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	13.3	37.3	39.3	40.7	41.3	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 20000	14.0	41.3	44.7	46.0	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 18000	14.0	41.3	44.7	46.0	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 16000	14.0	41.3	44.7	46.0	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 14000	14.0	41.3	44.7	46.0	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 12000	14.0	41.3	44.7	46.0	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 10000	16.0	45.3	48.7	50.0	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 9000	16.0	46.0	49.3	50.7	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 8000	16.0	49.3	52.7	54.0	56.0	56.7	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 7000	16.0	51.3	55.3	56.7	58.7	59.3	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 6000	16.0	51.3	55.3	56.7	58.7	59.3	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 5000	16.7	55.3	59.3	60.7	62.7	63.3	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 4500	16.7	56.0	60.0	62.0	64.0	64.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4000	16.7	57.3	61.3	63.3	66.0	66.7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 3500	17.3	58.0	62.0	64.0	66.7	67.3	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 3000	18.7	60.7	64.7	66.7	69.3	70.7	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 2500	20.0	64.7	68.7	70.7	73.3	74.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 2000	20.0	65.3	69.3	72.0	74.7	76.0	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 1800	20.0	65.3	70.0	73.3	76.0	77.3	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1500	20.0	68.0	72.7	76.7	80.7	82.0	83.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1200	20.0	72.0	76.7	80.7	84.7	86.0	87.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1000	20.0	73.3	78.0	82.0	86.0	87.3	88.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 900	20.0	74.0	78.7	82.7	86.7	88.0	89.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 800	20.0	76.0	80.7	84.7	90.0	92.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700	20.0	76.7	82.0	86.0	91.3	93.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	20.0	77.3	82.7	86.7	92.0	94.0	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	20.0	77.3	82.7	86.7	92.0	94.0	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	20.0	77.3	82.7	86.7	92.0	94.0	97.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 300	20.0	77.3	82.7	86.7	92.0	94.0	97.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 200	20.0	77.3	82.7	86.7	92.0	94.0	97.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 100	20.0	77.3	82.7	86.7	92.0	94.0	97.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
0	20.0	77.3	82.7	86.7	92.0	94.0	97.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	18.7	36.7	38.0	40.0	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000	20.0	41.3	43.3	46.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 18000	20.0	41.3	43.3	46.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 16000	20.0	41.3	43.3	46.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 14000	20.0	41.3	43.3	46.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 12000	20.7	42.7	44.7	48.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 10000	21.3	43.3	45.3	48.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 9000	21.3	43.3	45.3	48.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 8000	22.0	45.3	47.3	50.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 7000	22.7	48.0	50.0	53.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 6000	22.7	48.0	50.0	53.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 5000	22.7	49.3	51.3	54.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 4500	22.7	50.7	52.7	56.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 4000	25.3	57.3	59.3	63.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 3500	26.7	62.0	64.0	68.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 3000	26.7	68.7	70.7	74.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2500	27.3	74.0	77.3	82.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2000	27.3	78.0	82.0	86.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1800	27.3	78.7	82.7	87.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500	27.3	82.0	86.0	90.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200	27.3	82.0	86.0	90.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1000	27.3	82.7	86.7	91.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 900	27.3	82.7	86.7	92.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 800	27.3	83.3	87.3	92.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 700	27.3	83.3	87.3	92.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 600	27.3	83.3	87.3	92.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 500	27.3	83.3	87.3	92.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 400	27.3	83.3	87.3	92.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 300	27.3	83.3	87.3	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 200	27.3	83.3	87.3	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 100	27.3	83.3	87.3	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 0	27.3	83.3	87.3	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	18.0	40.0	41.3	43.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 20000	20.0	47.3	50.0	52.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0
AI 18000	20.0	48.7	51.3	54.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3
AI 16000	20.0	48.7	51.3	54.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3
AI 14000	20.0	46.7	51.3	54.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3
AI 12000	20.7	50.0	52.7	55.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7
AI 10000	21.3	52.0	54.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7
AI 9000	21.3	52.7	55.3	58.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3
AI 8000	22.7	58.0	60.7	63.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7
AI 7000	23.3	58.7	61.3	64.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3
AI 6000	23.3	59.3	62.0	64.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0
AI 5000	23.3	60.0	62.7	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7
AI 4500	24.0	62.0	64.7	67.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7
AI 4000	26.7	68.0	70.7	74.0	75.3	76.0	76.0	76.0	76.0	76.0	76.0
AI 3500	27.3	70.0	72.7	76.0	77.3	78.0	78.7	78.7	78.7	78.7	78.7
AI 3000	28.0	72.7	75.3	79.3	81.3	82.7	83.3	83.3	83.3	83.3	83.3
AI 2500	29.3	76.7	79.3	83.3	85.3	86.7	87.3	87.3	87.3	87.3	87.3
AI 2000	29.3	79.3	82.0	86.0	88.0	90.0	90.7	90.7	90.7	90.7	90.7
AI 1800	29.3	79.3	82.0	86.0	88.0	90.0	90.7	90.7	90.7	90.7	90.7
AI 1500	29.3	80.7	83.3	87.3	89.3	91.3	92.0	92.0	92.0	92.0	92.0
AI 1200	30.0	82.7	85.3	89.3	91.3	93.3	94.0	94.0	94.0	94.0	94.0
AI 1000	30.0	83.3	86.0	90.0	92.0	94.0	94.7	94.7	94.7	94.7	94.7
AI 900	30.0	83.3	86.0	90.7	93.3	95.3	96.7	96.7	96.7	96.7	96.7
AI 800	30.0	83.3	86.0	91.3	94.7	96.7	98.0	98.0	98.0	98.0	98.0
AI 700	30.0	83.3	86.7	91.3	94.7	96.7	98.0	98.0	98.0	98.0	98.0
AI 600	30.0	83.3	86.7	91.3	94.7	96.7	98.0	98.0	98.0	98.0	98.0
AI 500	30.0	83.3	86.7	91.3	95.3	97.3	98.7	98.7	98.7	98.7	98.7
AI 400	30.0	83.3	86.7	91.3	95.3	97.3	98.7	98.7	98.7	98.7	98.7
AI 300	30.0	83.3	86.7	91.3	95.3	97.3	98.7	98.7	98.7	98.7	98.7
AI 200	30.0	83.3	86.7	91.3	95.3	97.3	98.7	98.7	98.7	98.7	98.7
AI 100	30.0	83.3	86.7	91.3	95.3	97.3	98.7	98.7	98.7	98.7	98.7
AI 0	30.0	83.3	86.7	91.3	95.3	97.3	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	17.3	46.0	48.0	48.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 20000	20.7	56.0	60.7	61.3	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 18000	20.7	56.0	60.7	61.3	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 16000	20.7	56.0	60.7	61.3	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 14000	20.7	56.0	60.7	61.3	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 12000	20.7	57.3	62.0	62.7	63.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 10000	21.3	58.7	63.3	64.0	65.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 9000	22.0	59.3	64.0	64.7	65.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 8000	22.0	64.7	69.3	70.0	71.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 7000	22.0	66.0	70.7	71.3	72.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 6000	22.0	66.0	70.7	71.3	72.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 5000	24.0	70.0	74.7	75.3	76.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4500	24.7	71.3	76.0	76.7	78.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4000	25.3	73.3	78.7	79.3	80.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3500	25.3	75.3	80.7	81.3	82.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000	25.3	75.3	80.7	81.3	82.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2500	25.3	75.3	80.7	81.3	82.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2000	25.3	76.0	81.3	82.0	83.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1800	25.3	76.0	81.3	82.0	83.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1500	25.3	76.0	82.0	82.7	84.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1200	25.3	76.7	82.7	83.3	85.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1000	25.3	78.0	84.0	85.3	87.3	90.7	90.7	90.7	91.3	92.0	92.0	92.0	92.0
≥ 900	26.0	78.7	84.7	86.0	88.0	91.3	91.3	91.3	92.0	92.7	92.7	92.7	92.7
≥ 800	26.0	79.3	85.3	86.7	88.7	92.0	92.7	93.3	94.0	94.7	94.7	94.7	94.7
≥ 700	26.0	80.0	86.0	87.3	90.0	94.0	94.7	95.3	96.0	96.7	96.7	96.7	96.7
≥ 600	26.0	80.0	86.0	87.3	90.0	94.0	94.7	95.3	96.0	96.7	96.7	96.7	96.7
≥ 500	26.0	80.0	86.0	87.3	90.0	94.0	95.3	96.7	97.3	98.0	98.0	98.0	98.0
≥ 400	26.0	80.0	86.0	87.3	90.0	94.0	96.0	97.3	98.0	98.7	98.7	98.7	98.7
≥ 300	26.0	80.0	86.0	87.3	90.0	94.0	96.0	97.3	98.0	99.3	99.3	99.3	99.3
≥ 200	26.0	80.0	86.0	87.3	90.0	94.0	96.0	98.0	98.7	100.0	100.0	100.0	100.0
≥ 100	26.0	80.0	86.0	87.3	90.0	94.0	96.0	98.0	98.7	100.0	100.0	100.0	100.0
≥ 0	26.0	80.0	86.0	87.3	90.0	94.0	96.0	98.0	98.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150



# CEILING VERSUS VISIBILITY

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	14.0	42.0	45.3	46.7	48.7	48.7	49.3	50.0	50.0	50.7	50.7	50.7	50.7
≥ 20000	16.7	47.3	50.7	52.0	54.0	54.0	55.3	56.0	56.0	56.7	56.7	56.7	56.7
≥ 18000	16.7	47.3	50.7	52.0	54.0	54.0	55.3	56.0	56.0	56.7	56.7	56.7	56.7
≥ 16000	16.7	47.3	50.7	52.0	54.0	54.0	55.3	56.0	56.0	56.7	56.7	56.7	56.7
≥ 14000	16.7	47.3	50.7	52.0	54.0	54.0	55.3	56.0	56.0	56.7	56.7	56.7	56.7
≥ 12000	16.7	47.3	50.7	52.0	54.0	54.0	55.3	56.0	56.0	56.7	56.7	56.7	56.7
≥ 10000	17.3	48.7	52.0	53.3	56.0	56.0	57.3	58.0	58.0	58.7	58.7	58.7	58.7
≥ 9000	18.0	49.3	52.7	54.0	56.7	56.7	58.0	58.7	58.7	59.3	59.3	59.3	59.3
≥ 8000	18.0	53.3	57.3	59.3	62.0	62.0	64.0	64.7	64.7	65.3	65.3	65.3	65.3
≥ 7000	18.0	54.0	58.7	60.7	63.3	64.7	66.0	66.7	66.7	67.3	67.3	67.3	67.3
≥ 6000	18.0	54.7	59.3	61.3	64.0	65.3	66.7	67.3	67.3	68.0	68.0	68.0	68.0
≥ 5000	19.3	58.0	62.7	64.7	67.3	68.7	70.0	70.7	71.3	71.3	71.3	71.3	71.3
≥ 4500	19.3	58.7	63.3	65.3	68.7	70.0	71.3	72.0	72.0	72.7	72.7	72.7	72.7
≥ 4000	20.7	62.0	67.3	70.0	73.3	74.7	76.0	76.7	76.7	77.3	77.3	77.3	77.3
≥ 3500	20.7	62.7	68.0	70.7	74.0	75.3	76.7	77.3	77.3	78.0	78.0	78.0	78.0
≥ 3000	20.7	63.3	70.0	72.7	76.7	78.0	79.3	80.0	80.0	80.7	80.7	80.7	80.7
≥ 2500	20.7	63.3	70.7	73.3	77.3	78.7	80.0	81.3	81.3	82.0	82.0	82.0	82.0
≥ 2000	20.7	63.3	70.7	73.3	77.3	78.7	80.0	81.3	81.3	82.0	82.0	82.0	82.0
≥ 1800	20.7	63.3	70.7	73.3	77.3	78.7	80.0	81.3	81.3	82.0	82.0	82.0	82.0
≥ 1500	21.3	66.0	73.3	76.0	80.0	81.3	82.7	84.7	84.7	85.3	85.3	85.3	85.3
≥ 1200	21.3	66.7	74.0	76.7	80.7	82.0	83.3	85.3	85.3	86.0	86.0	86.0	86.0
≥ 1000	21.3	66.7	74.0	76.7	80.7	82.0	84.0	86.0	86.0	86.7	86.7	86.7	86.7
≥ 900	21.3	66.7	74.0	76.7	80.7	82.0	84.0	86.0	86.0	86.7	86.7	86.7	86.7
≥ 800	21.3	67.3	74.7	77.3	81.3	82.7	85.3	87.3	87.3	88.0	88.0	88.0	88.0
≥ 700	21.3	68.7	76.0	78.7	82.7	84.7	87.3	89.3	89.3	90.0	90.0	90.0	90.0
≥ 600	21.3	68.7	76.0	78.7	83.3	85.3	88.0	90.7	90.7	91.3	91.3	91.3	91.3
≥ 500	21.3	69.3	76.7	79.3	84.0	86.7	89.3	92.7	92.7	93.3	93.3	93.3	93.3
≥ 400	21.3	69.3	76.7	80.0	84.7	87.3	90.0	94.7	94.7	95.3	95.3	95.3	95.3
≥ 300	21.3	69.3	76.7	80.0	84.7	87.3	90.0	94.7	94.7	95.3	95.3	95.3	95.3
≥ 200	21.3	69.3	76.7	80.0	84.7	88.0	90.7	96.0	96.0	96.7	96.7	96.7	96.7
≥ 100	21.3	69.3	76.7	80.0	84.7	88.0	90.7	96.0	96.0	98.0	98.0	98.0	98.0
≥ 0	21.3	69.3	76.7	80.0	84.7	88.0	90.7	96.0	96.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	14.3	36.4	38.5	40.3	42.3	43.1	43.9	44.5	44.5	44.8	44.9	44.9	44.9	45.0
≥ 20000	15.7	41.2	44.4	46.5	48.8	49.6	50.6	51.2	51.2	51.5	51.6	51.6	51.6	51.8
≥ 18000	15.7	41.4	44.5	46.7	49.0	49.8	50.7	51.4	51.4	51.7	51.8	51.8	51.8	51.9
≥ 16000	15.7	41.4	44.5	46.7	49.0	49.8	50.7	51.4	51.4	51.7	51.8	51.8	51.8	51.9
≥ 14000	15.7	41.4	44.5	46.7	49.0	49.8	50.7	51.4	51.4	51.7	51.8	51.8	51.8	51.9
≥ 12000	15.9	42.1	45.3	47.4	49.7	50.7	51.6	52.2	52.2	52.6	52.7	52.7	52.7	52.9
≥ 10000	16.7	44.2	47.7	49.9	52.6	53.5	54.6	55.3	55.3	55.7	55.7	55.7	55.7	55.9
≥ 9000	16.9	44.5	48.1	50.3	53.0	53.9	55.0	55.7	55.7	56.0	56.1	56.1	56.1	56.3
≥ 8000	17.3	48.4	52.0	54.4	57.6	58.8	59.9	60.7	60.7	61.0	61.2	61.3	61.3	61.5
≥ 7000	17.6	49.9	53.7	56.1	59.3	60.6	61.7	62.4	62.4	62.8	63.0	63.1	63.1	63.2
≥ 6000	17.6	50.2	54.0	56.5	59.8	60.9	62.0	62.8	62.8	63.2	63.3	63.4	63.4	63.6
≥ 5000	18.2	52.4	56.5	59.0	62.1	63.4	64.5	65.3	65.3	65.7	65.8	65.9	65.9	66.1
≥ 4500	18.5	53.5	57.9	60.5	63.8	65.1	66.2	66.9	66.9	67.3	67.5	67.6	67.6	67.8
≥ 4000	19.6	56.7	61.3	64.3	67.7	69.2	70.4	71.1	71.1	71.5	71.7	71.8	71.8	71.9
≥ 3500	20.0	58.2	62.8	65.7	69.2	70.7	71.9	72.7	72.7	73.1	73.2	73.3	73.3	73.5
≥ 3000	20.3	59.9	64.7	67.8	71.6	73.2	74.6	75.6	75.6	75.9	76.1	76.2	76.2	76.4
≥ 2500	20.7	61.9	67.0	70.2	74.1	75.7	77.1	78.2	78.2	78.5	78.7	78.8	78.8	79.0
≥ 2000	20.7	63.2	68.4	71.8	75.7	77.5	79.0	80.0	80.0	80.4	80.6	80.7	80.7	80.8
≥ 1800	20.7	63.3	68.7	72.1	76.2	78.0	79.4	80.5	80.5	80.8	81.0	81.1	81.1	81.3
≥ 1500	21.0	65.2	70.7	74.3	78.5	80.3	81.9	83.2	83.2	83.6	83.8	83.9	83.9	84.1
≥ 1200	21.1	66.3	71.9	75.4	79.9	81.7	83.3	84.5	84.6	85.0	85.2	85.3	85.3	85.5
≥ 1000	21.2	67.0	72.7	76.5	80.8	82.6	84.4	85.6	85.7	86.1	86.3	86.4	86.4	86.6
≥ 900	21.3	67.4	73.1	76.9	81.5	83.2	85.0	86.3	86.4	86.9	87.0	87.1	87.1	87.3
≥ 800	21.3	68.4	74.1	78.1	82.9	84.8	86.9	88.3	88.4	88.9	89.1	89.2	89.2	89.4
≥ 700	21.3	69.1	74.9	78.9	84.0	86.2	88.5	89.9	90.0	90.5	90.7	90.7	90.7	90.9
≥ 600	21.3	69.3	75.2	79.3	84.4	86.7	89.3	90.8	90.9	91.5	91.7	91.8	91.8	92.0
≥ 500	21.3	69.5	75.5	79.5	85.0	87.6	90.8	92.9	93.0	93.7	93.9	94.0	94.0	94.3
≥ 400	21.3	69.6	75.6	79.7	85.4	88.4	91.9	94.4	94.6	95.5	95.7	95.8	95.8	96.1
≥ 300	21.3	69.6	75.6	79.8	85.6	88.7	92.5	95.1	95.3	96.3	96.8	96.9	96.9	97.1
≥ 200	21.3	69.6	75.6	79.8	85.6	88.9	92.8	95.7	95.9	97.1	97.8	98.3	98.4	98.9
≥ 100	21.3	69.6	75.6	79.8	85.6	88.9	92.8	95.8	96.0	97.4	98.1	98.7	98.9	99.7
≥ 0	21.3	69.6	75.6	79.8	85.6	88.9	92.8	95.8	96.0	97.4	98.1	98.7	98.9	99.4

TOTAL NUMBER OF OBSERVATIONS

1080



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	15.1	37.6	41.9	44.1	46.2	47.3	51.6	53.8	53.8	53.8	53.8	53.8	53.8
≥ 20000	17.2	43.0	48.4	51.6	54.8	55.9	61.3	63.4	64.5	64.5	64.5	64.5	64.5
≥ 18000	17.2	43.0	48.4	51.6	54.8	55.9	61.3	63.4	64.5	64.5	64.5	64.5	64.5
≥ 16000	17.2	43.0	48.4	51.6	54.8	55.9	61.3	63.4	64.5	64.5	64.5	64.5	64.5
≥ 14000	17.2	43.0	48.4	51.6	54.8	55.9	61.3	63.4	64.5	64.5	64.5	64.5	64.5
≥ 12000	17.2	43.0	48.4	51.6	54.8	55.9	61.3	63.4	64.5	64.5	64.5	64.5	64.5
≥ 10000	17.2	45.2	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8
≥ 9000	17.2	45.2	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8
≥ 8000	18.3	48.4	53.8	57.0	62.4	63.4	68.8	72.0	73.1	73.1	73.1	73.1	73.1
≥ 7000	18.3	48.4	54.8	58.1	63.4	64.5	69.9	74.2	75.3	75.3	75.3	75.3	75.3
≥ 6000	18.3	48.4	54.8	58.1	63.4	64.5	69.9	74.2	75.3	75.3	75.3	75.3	75.3
≥ 5000	18.3	49.5	55.9	59.1	64.5	65.6	71.0	75.3	76.3	76.3	76.3	76.3	76.3
≥ 4500	18.3	49.5	55.9	59.1	64.5	65.6	71.0	75.3	76.3	76.3	76.3	76.3	76.3
≥ 4000	18.3	50.5	57.0	61.3	67.7	68.8	74.2	78.5	79.6	79.6	79.6	79.6	79.6
≥ 3500	18.3	51.6	58.1	62.4	68.8	69.9	75.3	79.6	80.7	80.7	80.7	80.7	80.7
≥ 3000	18.3	51.6	58.1	62.4	69.9	71.0	76.3	80.7	81.7	81.7	81.7	81.7	81.7
≥ 2500	18.3	51.6	58.1	63.4	71.0	72.0	77.4	81.7	82.8	82.8	82.8	82.8	82.8
≥ 2000	18.3	51.6	58.1	63.4	71.0	72.0	77.4	82.8	83.9	83.9	83.9	83.9	83.9
≥ 1800	18.3	51.6	58.1	63.4	71.0	72.0	77.4	82.8	83.9	83.9	83.9	83.9	83.9
≥ 1500	18.3	52.7	59.1	64.5	72.0	73.1	78.5	83.9	85.0	85.0	85.0	85.0	85.0
≥ 1200	18.3	53.8	60.2	65.6	74.2	75.3	80.7	86.0	87.1	87.1	87.1	87.1	87.1
≥ 1000	18.3	53.8	62.4	67.7	76.3	77.4	82.8	88.2	89.3	89.3	89.3	89.3	89.3
≥ 900	18.3	53.8	62.4	67.7	76.3	78.5	83.9	89.3	90.3	90.3	90.3	90.3	90.3
≥ 800	18.3	53.8	62.4	67.7	76.3	78.5	83.9	89.3	90.3	90.3	90.3	90.3	90.3
≥ 700	18.3	54.8	63.4	68.8	78.5	80.7	86.0	91.4	92.5	92.5	92.5	92.5	92.5
≥ 600	18.3	54.8	63.4	68.8	79.6	81.7	87.1	92.5	93.6	93.6	93.6	93.6	93.6
≥ 500	18.3	54.8	63.4	68.8	80.7	82.8	88.2	93.6	94.6	94.6	94.6	94.6	94.6
≥ 400	18.3	54.8	63.4	68.8	80.7	82.8	88.2	93.6	94.6	94.6	94.6	94.6	94.6
≥ 300	18.3	54.8	63.4	69.9	81.7	83.9	89.3	94.6	95.7	95.7	95.7	95.7	95.7
≥ 200	18.3	54.8	63.4	69.9	81.7	83.9	89.3	94.6	95.7	95.7	95.7	95.7	95.7
≥ 100	18.3	54.8	63.4	69.9	81.7	83.9	89.3	94.6	95.7	95.7	95.7	95.7	95.7
≥ 0	18.3	54.8	63.4	69.9	81.7	83.9	89.3	94.6	95.7	95.7	95.7	95.7	95.7

TOTAL NUMBER OF OBSERVATIONS

93



14780  
STATION

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION  
LAKEHURST, NEW JERSEY  
STATION NAME

73-75  
YEARS

# CEILING VERSUS VISIBILITY

JUL  
MONTH

04  
HOURS (L S T)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	9.7	34.4	35.5	39.8	40.9	43.0	46.2	47.3	47.3	49.5	50.5	50.5	50.5	52.7	52.7
≥ 20000	10.8	37.6	38.7	43.0	45.2	47.3	51.6	53.8	53.8	55.9	57.0	57.0	57.0	59.1	59.1
≥ 18000	10.8	37.6	38.7	43.0	45.2	47.3	51.6	53.8	53.8	55.9	57.0	57.0	57.0	59.1	59.1
≥ 16000	10.8	37.6	38.7	43.0	45.2	47.3	51.6	53.8	53.8	55.9	57.0	57.0	57.0	59.1	59.1
≥ 14000	10.8	37.6	38.7	43.0	45.2	47.3	51.6	53.8	53.8	55.9	57.0	57.0	57.0	59.1	59.1
≥ 12000	10.8	37.6	38.7	43.0	45.2	47.3	51.6	53.8	53.8	55.9	57.0	57.0	57.0	59.1	59.1
≥ 10000	10.8	40.9	41.9	46.2	48.4	50.5	57.0	60.2	60.2	62.4	63.4	63.4	63.4	65.6	65.6
≥ 9000	10.8	40.9	41.9	46.2	48.4	50.5	57.0	60.2	60.2	62.4	63.4	63.4	63.4	65.6	65.6
≥ 8000	11.8	44.1	45.2	49.5	52.7	54.8	61.3	64.5	64.5	67.7	68.8	68.8	68.8	71.0	71.0
≥ 7000	11.8	44.1	45.2	49.5	52.7	55.9	62.4	65.6	65.6	68.8	69.9	69.9	69.9	72.0	72.0
≥ 6000	11.8	44.1	45.2	49.5	52.7	55.9	62.4	65.6	65.6	68.8	69.9	69.9	69.9	72.0	72.0
≥ 5000	11.8	44.1	45.2	49.5	52.7	55.9	62.4	65.6	65.6	68.8	69.9	69.9	69.9	72.0	72.0
≥ 4500	11.8	46.2	47.3	51.6	54.8	58.1	64.5	67.7	67.7	71.0	72.0	72.0	72.0	74.2	74.2
≥ 4000	11.8	46.2	47.3	51.6	54.8	58.1	64.5	67.7	67.7	71.0	72.0	72.0	72.0	74.2	74.2
≥ 3500	11.8	48.4	50.5	54.8	58.1	61.3	67.7	72.0	72.0	75.3	76.3	76.3	76.3	78.5	78.5
≥ 3000	11.8	48.4	50.5	54.8	58.1	61.3	67.7	72.0	72.0	75.3	76.3	76.3	76.3	78.5	78.5
≥ 2500	11.8	48.4	50.5	54.8	58.1	61.3	67.7	72.0	72.0	75.3	76.3	76.3	76.3	78.5	78.5
≥ 2000	11.8	48.4	50.5	54.8	58.1	61.3	67.7	72.0	72.0	75.3	76.3	76.3	76.3	78.5	78.5
≥ 1800	11.8	48.4	50.5	54.8	58.1	61.3	67.7	72.0	72.0	75.3	76.3	76.3	76.3	78.5	78.5
≥ 1500	11.8	48.4	50.5	54.8	58.1	61.3	67.7	72.0	72.0	75.3	76.3	76.3	76.3	78.5	78.5
≥ 1200	11.8	48.4	50.5	54.8	58.1	61.3	67.7	72.0	72.0	75.3	76.3	76.3	76.3	78.5	78.5
≥ 1000	11.8	48.4	50.5	54.8	58.1	61.3	67.7	72.0	72.0	75.3	76.3	76.3	76.3	78.5	78.5
≥ 900	11.8	48.4	50.5	54.8	58.1	61.3	67.7	72.0	72.0	75.3	76.3	76.3	76.3	78.5	78.5
≥ 800	11.8	48.4	50.5	54.8	58.1	61.3	67.7	72.0	72.0	75.3	76.3	76.3	76.3	78.5	78.5
≥ 700	11.8	48.4	50.5	54.8	58.1	61.3	67.7	72.0	72.0	75.3	76.3	76.3	76.3	78.5	78.5
≥ 600	11.8	48.4	50.5	54.8	58.1	61.3	67.7	72.0	72.0	75.3	76.3	76.3	76.3	78.5	78.5
≥ 500	11.8	48.4	50.5	54.8	58.1	61.3	67.7	72.0	72.0	75.3	76.3	76.3	76.3	78.5	78.5
≥ 400	11.8	48.4	50.5	54.8	58.1	61.3	67.7	72.0	72.0	75.3	76.3	76.3	76.3	78.5	78.5
≥ 300	11.8	48.4	50.5	54.8	58.1	61.3	67.7	72.0	72.0	75.3	76.3	76.3	76.3	78.5	78.5
≥ 200	11.8	48.4	50.5	54.8	58.1	61.3	67.7	72.0	72.0	75.3	76.3	76.3	76.3	78.5	78.5
≥ 100	11.8	48.4	50.5	54.8	58.1	61.3	67.7	72.0	72.0	75.3	76.3	76.3	76.3	78.5	78.5
≥ 0	11.8	48.4	50.5	54.8	58.1	61.3	67.7	72.0	72.0	75.3	76.3	76.3	76.3	78.5	78.5

TOTAL NUMBER OF OBSERVATIONS 93

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	12.9	32.3	34.2	37.4	41.3	43.9	50.3	52.3	52.3	52.9	52.9	52.9	52.9	53.6	53.6
≥ 20000	13.6	34.2	36.1	40.7	45.8	49.7	56.8	59.4	59.4	59.4	60.0	60.0	60.0	60.7	60.7
≥ 18000	13.6	34.2	36.1	40.7	45.8	49.7	56.8	59.4	59.4	59.4	60.0	60.0	60.0	60.7	60.7
≥ 16000	13.6	34.2	36.1	40.7	45.8	49.7	56.8	59.4	59.4	59.4	60.0	60.0	60.0	60.7	60.7
≥ 14000	13.6	34.2	36.1	40.7	45.8	49.7	56.8	59.4	59.4	59.4	60.0	60.0	60.0	60.7	60.7
≥ 12000	13.6	34.2	36.1	40.7	45.8	49.7	56.8	60.0	60.0	60.0	60.7	60.7	60.7	61.3	61.3
≥ 10000	14.2	36.1	38.1	42.6	47.7	52.9	60.0	63.2	63.2	63.9	63.9	63.9	63.9	64.5	64.5
≥ 9000	14.2	36.1	38.1	42.6	49.0	54.2	61.3	64.5	64.5	64.5	65.2	65.2	65.2	65.8	65.8
≥ 8000	14.8	38.7	41.9	46.5	52.9	59.4	66.5	69.7	69.7	70.3	71.0	71.0	71.0	71.6	71.6
≥ 7000	15.5	40.0	43.2	47.7	54.2	60.7	68.4	71.6	71.6	72.3	72.9	72.9	72.9	73.6	73.6
≥ 6000	15.5	40.0	43.2	47.7	54.2	60.7	68.4	71.6	71.6	72.3	72.9	72.9	72.9	73.6	73.6
≥ 5000	15.5	40.0	43.2	47.7	54.2	60.7	68.4	71.6	71.6	72.3	72.9	72.9	72.9	73.6	73.6
≥ 4500	16.1	40.7	43.9	48.4	54.8	61.9	69.7	72.9	72.9	73.6	74.2	74.2	74.2	74.8	74.8
≥ 4000	16.1	41.3	44.5	49.7	56.8	64.5	73.6	77.4	77.4	78.1	78.7	78.7	78.7	79.4	79.4
≥ 3500	16.8	41.9	45.2	50.3	57.4	65.2	74.2	78.1	78.1	78.7	79.4	79.4	79.4	80.0	80.0
≥ 3000	16.8	43.9	47.7	52.9	60.0	68.4	77.4	81.3	81.3	81.9	82.6	82.6	82.6	83.2	83.2
≥ 2500	16.8	43.9	47.7	52.9	60.0	68.4	77.4	81.3	81.3	81.9	82.6	82.6	82.6	83.2	83.2
≥ 2000	16.8	45.2	49.0	54.2	61.9	70.3	79.4	83.2	83.2	83.9	84.5	84.5	84.5	85.2	85.2
≥ 1800	16.8	45.2	49.0	54.2	61.9	70.3	79.4	83.2	83.2	83.9	84.5	84.5	84.5	85.2	85.2
≥ 1500	16.8	46.5	50.3	55.5	63.2	71.6	80.7	84.5	84.5	85.2	85.8	85.8	85.8	86.5	86.5
≥ 1200	16.8	46.5	50.3	55.5	63.2	71.6	80.7	84.5	84.5	85.2	85.8	85.8	85.8	86.5	86.5
≥ 1000	16.8	46.5	50.3	55.5	63.2	71.6	80.7	84.5	84.5	85.2	85.8	85.8	85.8	86.5	86.5
≥ 900	16.8	46.5	50.3	55.5	63.2	71.6	80.7	84.5	84.5	85.2	85.8	85.8	85.8	86.5	86.5
≥ 800	16.8	46.5	50.3	55.5	63.2	71.6	80.7	84.5	84.5	85.2	85.8	85.8	85.8	86.5	86.5
≥ 700	16.8	46.5	50.3	55.5	63.2	71.6	80.7	84.5	84.5	85.2	85.8	85.8	85.8	86.5	86.5
≥ 600	16.8	46.5	50.3	55.5	63.2	71.6	80.7	84.5	84.5	85.2	85.8	85.8	85.8	86.5	86.5
≥ 500	16.8	46.5	50.3	55.5	63.2	71.6	80.7	84.5	84.5	85.2	85.8	85.8	85.8	86.5	86.5
≥ 400	16.8	46.5	50.3	55.5	63.2	71.6	80.7	84.5	84.5	85.2	85.8	85.8	85.8	86.5	86.5
≥ 300	16.8	46.5	50.3	55.5	63.2	71.6	80.7	84.5	84.5	85.2	85.8	85.8	85.8	86.5	86.5
≥ 200	16.8	46.5	50.3	55.5	63.2	71.6	80.7	84.5	84.5	85.2	85.8	85.8	85.8	86.5	86.5
≥ 100	16.8	46.5	50.3	55.5	63.2	71.6	80.7	84.5	84.5	85.2	85.8	85.8	85.8	86.5	86.5
≥ 0	16.8	46.5	50.3	55.5	63.2	71.6	80.7	84.5	84.5	85.2	85.8	85.8	85.8	86.5	86.5

TOTAL NUMBER OF OBSERVATIONS 155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

JUL  
MONTH

10  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	17.4	40.0	44.5	46.5	49.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000	20.7	46.5	51.0	52.9	56.8	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 18000	20.7	46.5	51.0	52.9	56.8	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 16000	20.7	46.5	51.0	52.9	56.8	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 14000	20.7	46.5	51.0	52.9	57.4	59.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 12000	21.2	47.1	51.6	53.6	58.1	60.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10000	22.6	50.3	54.8	56.8	61.3	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 9000	22.6	50.3	54.8	56.8	61.3	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000	22.6	52.9	58.1	60.0	66.5	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 7000	22.6	54.2	59.4	61.3	67.7	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 6000	22.6	54.8	60.0	61.3	68.4	71.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 5000	22.6	54.8	60.0	61.3	68.4	71.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500	22.6	56.1	61.3	63.2	69.7	72.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4000	22.6	58.1	63.2	65.2	72.3	74.5	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3500	22.6	60.0	65.2	67.1	74.2	77.4	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000	23.9	63.9	69.0	71.0	78.7	81.9	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2500	25.8	67.1	72.3	74.2	81.9	85.2	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2000	25.8	67.7	72.3	75.5	83.2	86.5	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1800	25.8	69.0	74.2	76.8	84.5	87.7	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1500	25.8	69.7	75.5	78.1	86.5	90.3	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1200	25.8	70.3	76.8	79.4	87.7	91.6	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000	25.8	70.3	77.4	80.0	88.4	92.9	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 900	25.8	71.6	78.7	81.3	89.7	94.8	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	25.8	72.3	79.4	81.9	91.0	96.1	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	25.8	72.3	79.4	81.9	91.0	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	25.8	72.3	79.4	81.9	91.0	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	25.8	72.3	79.4	81.9	91.0	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	25.8	72.3	79.4	81.9	91.0	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	25.8	72.3	79.4	81.9	91.0	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	25.8	72.3	79.4	81.9	91.0	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	25.8	72.3	79.4	81.9	91.0	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	25.8	72.3	79.4	81.9	91.0	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	23.2	41.3	42.6	44.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	23.9	45.2	47.1	49.7	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 18000	23.9	45.2	47.1	49.7	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 16000	23.9	45.2	47.1	49.7	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000	23.9	45.2	47.1	49.7	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 12000	24.5	45.8	47.7	50.3	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 10000	25.2	47.7	49.7	52.3	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 9000	25.2	47.7	49.7	52.3	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 8000	25.8	49.7	51.6	54.2	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 7000	25.8	51.6	53.6	56.1	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 6000	25.8	51.6	53.6	56.1	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 5000	25.8	52.9	54.8	57.4	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 4500	25.8	52.9	54.8	57.4	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 4000	27.1	56.8	58.7	61.3	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3500	28.4	61.3	63.9	66.5	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3000	29.7	69.0	72.9	77.4	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2500	29.7	72.3	76.1	81.3	89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	29.7	74.2	78.1	83.9	91.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	29.7	74.8	78.7	84.5	92.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1500	29.7	75.5	80.0	85.8	93.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	29.7	75.5	80.0	85.8	93.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000	29.7	75.5	80.0	85.8	93.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 900	29.7	75.5	80.0	85.8	93.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800	29.7	75.5	80.0	85.8	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	29.7	75.5	80.0	85.8	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600	29.7	75.5	80.0	85.8	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	29.7	75.5	80.0	85.8	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 400	29.7	75.5	80.0	85.8	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	29.7	75.5	80.0	85.8	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	29.7	75.5	80.0	85.8	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 100	29.7	75.5	80.0	85.8	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0	29.7	75.5	80.0	85.8	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8

155

TOTAL NUMBER OF OBSERVATIONS

15130 64321 2225

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

JUL  
MONTH

16  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	18.1	43.2	46.5	47.7	50.3	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000	21.9	50.3	54.8	56.1	60.0	60.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 18000	21.9	50.3	54.8	56.1	60.0	60.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 16000	21.9	50.3	54.8	56.1	60.0	60.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 14000	21.9	50.3	54.8	56.1	60.0	60.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 12000	22.6	51.6	56.1	57.4	61.3	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 10000	22.6	52.9	58.1	59.4	63.9	64.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 9000	22.6	52.9	58.1	59.4	63.9	64.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 8000	23.2	54.8	60.0	61.3	65.8	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 7000	24.5	56.8	61.9	63.2	67.7	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 6000	24.5	56.8	61.9	63.2	67.7	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 5000	24.5	57.4	62.6	63.9	68.4	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4500	24.5	58.1	63.2	64.5	69.0	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4000	26.5	63.9	69.0	70.3	75.2	77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3500	27.1	66.5	71.6	72.9	78.1	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3000	30.3	70.3	75.2	76.8	83.9	86.5	87.7	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2500	31.0	71.6	77.4	79.4	86.5	89.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000	31.0	72.9	78.7	81.3	89.0	91.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800	31.0	72.9	78.7	81.3	89.0	91.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1500	31.0	72.9	78.7	82.6	90.3	92.9	95.5	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	31.0	72.9	78.7	82.6	90.3	92.9	95.5	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000	31.0	72.9	79.4	83.2	91.0	93.6	96.1	96.8	96.8	96.8	96.8	96.8	96.8
≥ 900	31.0	72.9	79.4	83.2	91.0	93.6	96.1	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	31.0	72.9	79.4	83.2	91.0	93.6	96.1	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	31.0	72.9	79.4	83.2	91.0	93.6	96.1	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600	31.0	72.9	79.4	83.2	91.0	93.6	96.1	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	31.0	72.9	79.4	83.2	91.0	93.6	96.1	96.8	96.8	96.8	96.8	96.8	96.8
≥ 400	31.0	72.9	79.4	83.2	91.0	93.6	96.1	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	31.0	72.9	79.4	83.2	91.0	93.6	96.1	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	31.0	72.9	79.4	83.2	91.0	93.6	96.1	96.8	96.8	96.8	96.8	96.8	96.8
≥ 100	31.0	72.9	79.4	83.2	91.0	93.6	96.1	96.8	96.8	96.8	96.8	96.8	96.8
0	31.0	72.9	79.4	83.2	91.0	93.6	96.1	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	23.2	48.4	49.7	52.3	54.8	56.1	56.8	58.1	58.1	58.1	58.1	58.1
≥ 20000	27.7	57.4	59.4	63.2	67.1	69.7	70.3	71.6	71.6	71.6	71.6	71.6
≥ 18000	27.7	57.4	59.4	63.2	67.1	69.7	70.3	71.6	71.6	71.6	71.6	71.6
≥ 16000	27.7	57.4	59.4	63.2	67.1	69.7	70.3	71.6	71.6	71.6	71.6	71.6
≥ 14000	27.7	57.4	59.4	63.2	67.1	69.7	70.3	71.6	71.6	71.6	71.6	71.6
≥ 12000	28.4	58.1	60.0	63.9	67.7	70.3	71.0	72.3	72.3	72.3	72.3	72.3
≥ 10000	28.4	60.0	62.0	67.1	71.6	74.2	74.8	76.1	76.1	76.1	76.1	76.1
≥ 9000	28.4	61.3	63.9	68.4	72.9	75.5	76.1	77.4	77.4	77.4	77.4	77.4
≥ 8000	28.4	62.6	65.2	70.3	74.8	78.1	78.7	80.0	80.0	80.7	80.7	80.7
≥ 7000	28.4	63.9	67.1	72.3	76.8	80.0	81.3	82.6	82.6	83.2	83.2	83.2
≥ 6000	28.4	63.9	67.1	72.3	76.8	80.0	81.3	82.6	82.6	83.2	83.2	83.2
≥ 5000	28.4	64.5	67.7	72.9	77.4	80.7	81.9	83.2	83.2	83.9	83.9	83.9
≥ 4500	28.4	65.2	68.4	73.6	78.1	81.3	82.6	83.9	83.9	84.5	84.5	84.5
≥ 4000	29.0	69.0	72.3	78.1	83.9	87.1	89.0	90.3	90.3	91.0	91.0	91.0
≥ 3500	29.0	70.3	73.6	79.4	85.8	89.0	91.0	92.3	92.3	92.9	92.9	92.9
≥ 3000	30.3	70.3	73.6	79.4	85.8	89.0	91.0	92.3	92.3	92.9	92.9	92.9
≥ 2500	30.3	71.6	74.8	80.7	87.1	90.3	92.3	93.6	93.6	94.2	94.2	94.2
≥ 2000	30.3	71.6	74.8	80.7	87.1	90.3	92.3	93.6	93.6	94.2	94.2	94.2
≥ 1800	30.3	71.6	74.8	80.7	87.1	90.3	92.3	93.6	93.6	94.2	94.2	94.2
≥ 1500	30.3	71.6	74.8	80.7	87.1	90.3	92.3	93.6	93.6	94.2	94.2	94.2
≥ 1200	30.3	71.6	74.8	80.7	87.1	90.3	92.3	93.6	93.6	94.2	94.2	94.2
≥ 1000	30.3	72.3	75.5	81.3	87.7	91.0	92.9	94.8	94.8	95.5	95.5	95.5
≥ 900	31.0	72.9	76.1	81.9	88.4	91.6	93.6	95.5	95.5	96.1	96.1	96.1
≥ 800	31.0	72.9	76.1	81.9	88.4	91.6	93.6	95.5	95.5	96.1	96.1	96.1
≥ 700	31.0	72.9	76.1	81.9	88.4	91.6	93.6	95.5	95.5	96.1	96.1	96.1
≥ 600	31.0	72.9	76.1	81.9	88.4	91.6	93.6	95.5	95.5	96.1	96.1	96.1
≥ 500	31.0	72.9	76.1	81.9	88.4	91.6	93.6	95.5	95.5	96.1	96.1	96.1
≥ 400	31.0	72.9	76.1	81.9	88.4	91.6	93.6	95.5	95.5	96.1	96.1	96.1
≥ 300	31.0	72.9	76.1	81.9	88.4	91.6	93.6	95.5	95.5	96.1	96.1	96.1
≥ 200	31.0	72.9	76.1	81.9	88.4	91.6	93.6	95.5	95.5	96.1	96.1	96.1
≥ 100	31.0	72.9	76.1	81.9	88.4	91.6	93.6	95.5	95.5	96.1	96.1	96.1
0	31.0	72.9	76.1	81.9	88.4	91.6	93.6	95.5	95.5	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	19.5	43.5	47.4	51.3	53.3	54.6	57.1	58.4	58.4	58.4	58.4	58.4	58.4
≥ 20000	20.8	52.6	59.1	63.6	66.2	68.2	70.8	72.7	72.7	72.7	72.7	72.7	72.7
≥ 18000	20.8	52.6	59.1	63.6	66.2	68.2	70.8	72.7	72.7	72.7	72.7	72.7	72.7
≥ 16000	20.8	52.6	59.1	63.6	66.2	68.2	70.8	72.7	72.7	72.7	72.7	72.7	72.7
≥ 14000	20.8	52.6	59.1	63.6	66.2	68.2	70.8	72.7	72.7	72.7	72.7	72.7	72.7
≥ 12000	20.8	52.6	59.1	63.6	66.2	68.2	70.8	72.7	72.7	72.7	72.7	72.7	72.7
≥ 10000	22.1	55.8	62.3	66.9	70.1	72.1	74.7	76.6	77.3	77.3	77.3	77.3	77.3
≥ 9000	22.1	55.8	62.3	66.9	70.1	72.1	74.7	76.6	77.3	77.3	77.3	77.3	77.3
≥ 8000	22.7	56.5	63.0	68.8	72.7	74.7	77.3	79.9	80.5	80.5	80.5	80.5	80.5
≥ 7000	22.7	57.8	64.3	70.1	74.0	76.0	78.6	81.2	81.8	81.8	81.8	81.8	81.8
≥ 6000	22.7	57.8	64.3	70.1	74.0	76.0	78.6	81.2	81.8	81.8	81.8	81.8	81.8
≥ 5000	22.7	57.8	64.3	70.1	74.0	76.0	78.6	81.2	81.8	81.8	81.8	81.8	81.8
≥ 4500	22.7	59.1	66.2	72.1	76.0	78.6	81.2	83.8	84.4	84.4	84.4	84.4	84.4
≥ 4000	23.4	63.0	70.8	77.3	81.8	84.4	87.0	89.6	90.3	90.3	90.3	90.3	90.3
≥ 3500	23.4	63.0	70.8	77.3	81.8	84.4	87.0	89.6	90.3	90.3	90.3	90.3	90.3
≥ 3000	23.4	63.0	70.8	77.3	82.5	85.1	88.3	90.9	91.6	91.6	91.6	91.6	91.6
≥ 2500	23.4	63.0	70.8	77.3	82.5	85.1	89.0	91.6	92.2	92.2	92.2	92.2	92.2
≥ 2000	23.4	63.0	70.8	77.3	82.5	85.1	89.6	92.9	93.5	93.5	93.5	93.5	93.5
≥ 1800	23.4	63.0	70.8	77.3	82.5	85.1	89.6	92.9	93.5	93.5	93.5	93.5	93.5
≥ 1500	23.4	63.0	70.8	77.3	82.5	85.1	89.6	92.9	93.5	93.5	93.5	93.5	93.5
≥ 1200	23.4	63.0	70.8	77.3	82.5	85.1	89.6	92.9	93.5	93.5	93.5	93.5	93.5
≥ 1000	23.4	63.0	71.4	78.6	83.1	85.7	90.3	93.5	94.2	94.2	94.2	94.2	94.2
≥ 900	23.4	63.0	71.4	78.6	83.1	86.4	90.9	94.2	94.8	94.8	94.8	94.8	94.8
≥ 800	23.4	63.0	72.1	79.2	83.8	87.0	91.6	94.8	95.5	95.5	95.5	95.5	95.5
≥ 700	23.4	63.0	72.7	79.9	84.4	87.7	92.2	95.5	96.1	96.1	96.1	96.1	96.1
≥ 600	23.4	63.0	72.7	79.9	84.4	87.7	92.2	95.5	96.1	96.1	96.1	96.1	96.1
≥ 500	23.4	63.0	72.7	79.9	84.4	87.7	92.2	96.1	96.8	96.8	96.8	96.8	96.8
≥ 400	23.4	63.6	73.4	80.5	85.1	88.3	94.8	98.1	98.7	98.7	98.7	98.7	98.7
≥ 300	23.4	63.6	73.4	80.5	85.7	89.0	95.5	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	23.4	63.6	73.4	80.5	85.7	89.0	95.5	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	23.4	63.6	73.4	80.5	85.7	89.0	95.5	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	23.4	63.6	73.4	80.5	85.7	89.0	95.5	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

154

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING	17.9	40.5	43.2	45.8	48.4	49.8	51.9	52.8	52.8	53.0	53.2	53.2	53.2	53.5
≥ 20000	20.2	46.5	50.0	53.2	56.9	58.7	61.3	62.4	62.5	62.7	62.9	62.9	62.9	63.2
≥ 18000	20.2	46.5	50.0	53.2	56.9	58.7	61.3	62.4	62.5	62.7	62.9	62.9	62.9	63.2
≥ 16000	20.2	46.5	50.0	53.2	56.9	58.7	61.3	62.4	62.5	62.7	62.9	62.9	62.9	63.2
≥ 14000	20.2	46.5	50.0	53.2	57.0	58.7	61.4	62.5	62.6	62.8	63.0	63.0	63.0	63.3
≥ 12000	20.5	46.9	50.4	53.6	57.4	59.2	61.8	63.1	63.2	63.4	63.6	63.6	63.6	64.0
≥ 10000	21.1	49.2	52.9	56.2	60.4	62.4	65.2	66.6	66.8	67.0	67.2	67.2	67.2	67.5
≥ 9000	21.1	49.4	53.1	56.4	60.7	62.9	65.7	67.1	67.3	67.4	67.6	67.6	67.6	68.0
≥ 8000	21.6	51.5	55.4	59.0	64.0	66.5	69.2	70.8	70.9	71.4	71.6	71.6	71.6	71.9
≥ 7000	21.9	52.7	56.9	60.5	65.4	68.0	70.9	72.6	72.7	73.2	73.4	73.4	73.4	73.7
≥ 6000	21.9	52.8	57.0	60.5	65.5	68.1	71.0	72.7	72.8	73.3	73.5	73.5	73.5	73.8
≥ 5000	21.9	53.3	57.4	61.0	65.9	68.5	71.5	73.1	73.3	73.7	73.9	73.9	73.9	74.3
≥ 4500	22.0	54.1	58.3	61.9	66.8	69.6	72.6	74.2	74.4	74.8	75.0	75.0	75.0	75.3
≥ 4000	22.6	57.1	61.5	65.5	71.2	74.4	77.6	79.5	79.6	80.1	80.3	80.3	80.3	80.6
≥ 3500	23.0	58.6	63.1	67.0	72.8	76.0	79.2	81.1	81.3	81.7	81.9	81.9	81.9	82.2
≥ 3000	24.0	61.2	65.9	70.2	76.7	80.0	83.3	85.3	85.5	85.9	86.1	86.1	86.1	86.5
≥ 2500	24.3	62.2	67.1	71.7	78.2	81.6	85.1	87.1	87.3	87.7	87.9	87.9	87.9	88.2
≥ 2000	24.3	63.1	68.0	72.8	79.6	83.1	86.6	88.8	89.0	89.4	89.6	89.6	89.6	89.9
≥ 1800	24.3	63.4	68.3	73.1	79.9	83.3	86.9	89.1	89.2	89.7	89.9	89.9	89.9	90.0
≥ 1500	24.3	63.9	69.0	74.0	80.9	84.5	88.3	90.5	90.7	91.1	91.3	91.3	91.3	91.7
≥ 1200	24.3	64.0	69.2	74.4	81.4	85.0	88.8	91.0	91.2	91.7	91.8	91.8	91.8	92.2
≥ 1000	24.3	64.1	69.6	75.1	82.1	85.7	89.6	92.0	92.2	92.7	92.8	92.8	92.8	93.2
≥ 900	24.4	64.4	70.0	75.3	82.4	86.4	90.2	92.7	92.9	93.4	93.5	93.5	93.5	94.0
≥ 800	24.4	64.7	70.4	75.8	83.1	87.1	91.4	94.0	94.2	94.7	94.9	94.9	94.9	95.3
≥ 700	24.4	64.8	70.8	76.1	83.6	87.7	92.0	94.6	94.8	95.3	95.5	95.5	95.5	96.0
≥ 600	24.4	64.9	70.9	76.2	84.0	88.1	92.8	95.5	95.7	96.2	96.4	96.4	96.4	96.9
≥ 500	24.4	64.9	70.9	76.3	84.1	88.3	93.5	96.7	96.9	97.4	97.7	97.7	97.7	98.1
≥ 400	24.4	65.0	70.9	76.4	84.2	88.3	93.6	97.0	97.1	97.7	97.9	97.9	97.9	98.4
≥ 300	24.4	65.0	70.9	76.5	84.4	88.5	93.8	97.1	97.3	97.9	98.2	98.2	98.2	98.8
≥ 200	24.4	65.0	70.9	76.5	84.4	88.6	93.9	97.2	97.4	97.9	98.5	98.5	98.5	99.3
≥ 100	24.4	65.0	70.9	76.5	84.4	88.6	93.9	97.2	97.4	98.0	98.6	98.6	98.6	99.6
≥ 0	24.4	65.0	70.9	76.5	84.4	88.6	93.9	97.2	97.4	98.0	98.6	98.6	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS

1115

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75

YEARS

AUG  
MONTH

01  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	8.6	31.2	36.6	37.6	40.9	41.9	46.2	47.3	48.4	48.4	49.5	49.5	49.5
≥ 20000	9.7	36.6	41.9	44.1	49.5	51.6	58.1	59.1	60.2	60.2	61.3	61.3	61.3
≥ 18000	9.7	36.6	41.9	44.1	49.5	51.6	58.1	59.1	60.2	60.2	61.3	61.3	61.3
≥ 16000	9.7	36.6	41.9	44.1	49.5	51.6	58.1	59.1	60.2	60.2	61.3	61.3	61.3
≥ 14000	9.7	36.6	41.9	44.1	49.5	51.6	58.1	59.1	60.2	60.2	61.3	61.3	61.3
≥ 12000	9.7	36.6	43.0	45.2	50.5	52.7	59.1	60.2	61.3	61.3	62.4	62.4	62.4
≥ 10000	9.7	37.6	46.2	48.4	53.8	55.9	62.4	63.4	64.5	64.5	65.6	65.6	65.6
≥ 9000	9.7	38.7	47.3	49.5	54.8	57.0	63.4	64.5	65.6	65.6	66.7	66.7	66.7
≥ 8000	9.7	44.1	52.7	54.8	61.3	63.4	69.9	71.0	72.0	72.0	73.1	73.1	73.1
≥ 7000	9.7	44.1	52.7	55.9	62.4	64.5	71.0	72.0	73.1	73.1	74.2	74.2	74.2
≥ 6000	11.8	46.2	54.8	58.1	64.5	66.7	73.1	74.2	75.3	75.3	76.3	76.3	76.3
≥ 5000	11.8	47.3	55.9	59.1	65.6	68.8	75.3	76.3	77.4	77.4	78.5	78.5	78.5
≥ 4500	11.8	48.4	57.0	60.2	66.7	69.9	76.3	77.4	78.5	78.5	79.6	79.6	79.6
≥ 4000	11.8	50.5	59.1	62.4	68.8	72.0	78.5	79.6	81.7	81.7	82.8	82.8	82.8
≥ 3500	11.8	50.5	59.1	62.4	68.8	72.0	78.5	79.6	81.7	81.7	82.8	82.8	82.8
≥ 3000	11.8	50.5	59.1	62.4	68.8	72.0	78.5	80.7	82.8	82.8	83.9	83.9	83.9
≥ 2500	11.8	50.5	59.1	62.4	68.8	72.0	78.5	80.7	82.8	82.8	83.9	83.9	83.9
≥ 2000	11.8	51.6	60.2	63.4	69.9	73.1	79.6	81.7	83.9	83.9	85.0	85.0	85.0
≥ 1800	11.8	51.6	60.2	63.4	69.9	73.1	79.6	81.7	83.9	83.9	85.0	85.0	85.0
≥ 1500	11.8	52.7	61.3	64.5	72.0	76.3	82.8	85.0	87.1	87.1	88.2	88.2	88.2
≥ 1200	11.8	52.7	61.3	64.5	72.0	76.3	82.8	85.0	87.1	87.1	88.2	88.2	88.2
≥ 1000	11.8	54.8	63.4	66.7	74.2	78.5	85.0	87.1	89.3	89.3	90.4	90.4	90.4
≥ 900	11.8	54.8	63.4	66.7	74.2	78.5	85.0	87.1	89.3	89.3	90.4	90.4	90.4
≥ 800	11.8	54.8	64.5	67.7	76.3	80.7	89.3	91.4	93.6	93.6	94.6	94.6	94.6
≥ 700	11.8	54.8	64.5	67.7	76.3	80.7	89.3	91.4	93.6	93.6	94.6	94.6	94.6
≥ 600	11.8	54.8	64.5	67.7	76.3	80.7	89.3	91.4	93.6	93.6	94.6	94.6	94.6
≥ 500	11.8	54.8	64.5	67.7	76.3	81.7	91.4	93.6	95.7	95.7	96.8	96.8	96.8
≥ 400	11.8	54.8	64.5	67.7	76.3	81.7	91.4	93.6	95.7	95.7	96.8	96.8	96.8
≥ 300	11.8	54.8	64.5	67.7	76.3	81.7	91.4	93.6	95.7	95.7	96.8	96.8	96.8
≥ 200	11.8	54.8	64.5	67.7	76.3	81.7	91.4	93.6	95.7	95.7	96.8	96.8	96.8
≥ 100	11.8	54.8	64.5	67.7	76.3	81.7	91.4	93.6	95.7	95.7	96.8	96.8	96.8
0	11.8	54.8	64.5	67.7	76.3	81.7	91.4	93.6	95.7	95.7	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS 93



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75

YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	7.5	28.0	29.0	30.1	35.5	37.6	45.2	47.3	48.4	49.5	49.5	49.5	49.5
≥ 20000	7.5	30.1	31.2	32.3	40.9	43.0	51.6	54.8	55.9	57.0	57.0	57.0	58.1
≥ 18000	7.5	30.1	31.2	32.3	40.9	43.0	51.6	54.8	55.9	57.0	57.0	57.0	58.1
≥ 16000	7.5	30.1	31.2	32.3	40.9	43.0	51.6	54.8	55.9	57.0	57.0	57.0	58.1
≥ 14000	7.5	30.1	31.2	32.3	40.9	43.0	51.6	54.8	55.9	57.0	57.0	57.0	58.1
≥ 12000	7.5	32.3	34.4	35.5	44.1	46.2	54.8	58.1	59.1	60.2	60.2	61.3	61.3
≥ 10000	7.5	36.6	38.7	39.8	48.4	50.5	59.1	62.4	63.4	64.5	64.5	65.6	65.6
≥ 9000	7.5	37.6	39.8	40.9	49.5	51.6	60.2	63.4	64.5	65.6	65.6	66.7	66.7
≥ 8000	7.5	39.8	41.9	43.0	52.7	54.8	63.4	66.7	67.8	68.9	68.9	70.0	70.0
≥ 7000	7.5	39.8	41.9	43.0	52.7	54.8	63.4	66.7	67.8	68.9	68.9	70.0	70.0
≥ 6000	7.5	39.8	41.9	43.0	52.7	54.8	63.4	66.7	67.8	68.9	68.9	70.0	70.0
≥ 5000	7.5	41.9	44.1	45.2	54.8	57.0	67.8	71.0	72.0	73.1	73.1	74.2	74.2
≥ 4500	8.6	44.1	46.2	47.3	58.1	60.2	71.0	74.2	75.3	76.3	76.3	77.4	77.4
≥ 4000	8.6	44.1	46.2	47.3	58.1	60.2	71.0	74.2	75.3	76.3	76.3	77.4	77.4
≥ 3500	9.7	46.2	48.4	49.5	60.2	62.4	73.1	76.3	77.4	78.5	78.5	79.6	79.6
≥ 3000	9.7	46.2	48.4	49.5	60.2	62.4	73.1	76.3	77.4	78.5	78.5	79.6	79.6
≥ 2500	9.7	47.3	49.5	50.5	62.4	64.5	75.3	78.5	79.6	80.7	80.7	81.7	81.7
≥ 2000	9.7	48.4	50.5	51.6	64.5	66.7	76.3	79.6	80.7	81.7	81.7	82.8	82.8
≥ 1800	9.7	48.4	50.5	51.6	64.5	66.7	76.3	79.6	80.7	81.7	81.7	82.8	82.8
≥ 1500	9.7	48.4	50.5	51.6	64.5	66.7	76.3	79.6	80.7	81.7	81.7	82.8	82.8
≥ 1200	9.7	49.5	51.6	53.8	66.7	69.9	80.7	83.9	85.0	86.0	86.0	87.1	87.1
≥ 1000	9.7	49.5	51.6	53.8	66.7	69.9	80.7	83.9	85.0	86.0	86.0	87.1	87.1
≥ 900	9.7	49.5	51.6	53.8	66.7	69.9	80.7	83.9	85.0	86.0	86.0	87.1	87.1
≥ 800	9.7	49.5	51.6	53.8	66.7	69.9	80.7	83.9	85.0	86.0	86.0	87.1	87.1
≥ 700	9.7	49.5	51.6	53.8	66.7	69.9	80.7	83.9	85.0	86.0	86.0	87.1	87.1
≥ 600	9.7	49.5	51.6	53.8	66.7	69.9	80.7	83.9	85.0	86.0	86.0	87.1	87.1
≥ 500	9.7	50.5	53.8	55.9	69.9	74.2	85.0	88.2	89.3	90.3	90.3	91.4	91.4
≥ 400	9.7	50.5	53.8	55.9	69.9	74.2	85.0	88.2	89.3	90.3	90.3	91.4	91.4
≥ 300	9.7	50.5	53.8	55.9	69.9	74.2	85.0	88.2	89.3	90.3	90.3	91.4	91.4
≥ 200	9.7	50.5	53.8	55.9	69.9	74.2	85.0	88.2	89.3	90.3	90.3	91.4	91.4
≥ 100	9.7	50.5	53.8	55.9	69.9	74.2	85.0	88.2	89.3	90.3	90.3	91.4	91.4
≥ 0	9.7	50.5	53.8	55.9	69.9	74.2	85.0	88.2	89.3	90.3	90.3	91.4	91.4

TOTAL NUMBER OF OBSERVATIONS

93

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	5.2	21.9	23.9	26.5	32.9	37.4	44.5	46.5	46.5	47.7	48.4	49.0	49.0
≥ 20000	5.2	23.9	25.8	29.7	38.7	43.9	52.9	54.8	54.8	56.8	57.4	58.1	58.1
AI 18000	5.2	23.9	25.8	29.7	38.7	43.9	52.9	54.8	54.8	56.8	57.4	58.1	58.1
AI 16000	5.2	23.9	25.8	29.7	38.7	43.9	52.9	54.8	54.8	56.8	57.4	58.1	58.1
AI 14000	5.2	23.9	25.8	29.7	38.7	43.9	52.9	54.8	54.8	56.8	57.4	58.1	58.1
AI 12000	5.2	23.9	25.8	29.7	38.7	43.9	52.9	54.8	54.8	56.8	57.4	58.1	58.1
AI 10000	5.2	24.5	27.1	31.0	41.3	46.5	55.5	57.4	57.4	59.4	60.0	60.7	60.7
AI 9000	5.2	24.5	27.1	31.0	41.3	46.5	56.1	58.1	58.1	60.0	60.7	61.3	61.3
AI 8000	5.2	25.8	29.7	33.6	44.5	51.0	63.2	65.2	65.2	67.1	67.7	68.4	68.4
AI 7000	5.2	27.1	31.0	34.6	45.8	52.3	64.5	66.5	66.5	68.4	69.0	69.7	69.7
AI 6000	5.2	27.7	31.6	35.5	46.5	52.9	65.2	67.1	67.1	69.0	69.7	70.3	70.3
AI 5000	5.2	28.4	32.9	37.4	48.4	54.8	67.7	69.7	69.7	71.6	72.3	72.9	72.9
AI 4500	5.2	28.4	32.9	37.4	48.4	54.8	68.4	70.3	70.3	72.3	72.9	73.6	73.6
AI 4000	5.2	29.0	34.2	38.7	50.3	57.4	71.6	73.6	73.6	75.5	76.1	76.8	76.8
AI 3500	5.2	30.3	35.5	40.0	51.6	58.7	72.9	74.8	74.8	76.8	77.4	78.1	78.1
AI 3000	6.5	31.6	36.8	41.3	54.2	61.3	75.5	77.4	77.4	79.4	80.0	80.7	80.7
AI 2500	6.5	31.6	36.8	41.3	54.2	61.3	75.5	77.4	77.4	79.4	80.0	80.7	80.7
AI 2000	6.5	32.9	38.1	42.6	56.1	63.2	77.4	79.4	79.4	81.3	81.9	82.6	82.6
AI 1800	6.5	32.9	38.1	42.6	56.1	63.2	77.4	79.4	79.4	81.3	81.9	82.6	82.6
AI 1500	6.5	33.6	38.7	43.2	57.4	64.5	78.7	80.7	80.7	82.6	83.2	83.9	83.9
AI 1200	6.5	34.2	40.0	44.5	58.7	65.8	80.0	81.9	81.9	83.9	84.5	85.2	85.2
AI 1000	6.5	34.2	40.0	44.5	58.7	65.8	80.7	82.6	82.6	84.5	85.2	85.8	85.8
900	6.5	34.2	40.0	44.5	58.7	65.8	80.7	82.6	82.6	84.5	85.2	85.8	85.8
800	6.5	34.2	40.0	44.5	59.4	66.5	81.3	83.2	83.2	85.2	85.8	86.5	86.5
700	6.5	34.2	40.0	44.5	59.4	66.5	81.3	83.2	83.2	85.2	85.8	86.5	86.5
600	6.5	34.8	40.7	45.2	60.0	67.1	81.9	83.9	83.9	85.8	86.5	87.1	87.1
500	6.5	34.8	40.7	46.5	61.3	68.4	83.2	87.1	87.1	89.0	91.0	92.3	92.3
400	6.5	34.8	40.7	46.5	61.3	68.4	83.2	87.1	87.1	89.0	91.0	92.3	92.3
300	6.5	34.8	40.7	46.5	61.3	69.0	83.9	89.0	89.0	91.0	92.9	94.2	94.2
200	6.5	34.8	40.7	46.5	61.3	69.0	83.9	89.0	89.0	91.0	92.9	94.2	94.2
100	6.5	34.8	40.7	46.5	61.3	69.0	83.9	89.0	89.0	91.0	92.9	94.2	94.2
0	6.5	34.8	40.7	46.5	61.3	69.0	83.9	89.0	89.0	91.0	92.9	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½
NO CEILING	12.9	34.8	41.3	46.5	54.8	55.5	55.5	55.5	55.5	55.5	55.5
≥ 20000	14.8	38.7	45.2	50.3	59.4	60.0	60.0	60.0	60.0	60.0	60.0
≥ 18000	14.8	38.7	45.2	50.3	59.4	60.0	60.0	60.0	60.0	60.0	60.0
≥ 16000	14.8	38.7	45.2	50.3	59.4	60.0	60.0	60.0	60.0	60.0	60.0
≥ 14000	14.8	38.7	45.2	50.3	59.4	60.0	60.0	60.0	60.0	60.0	60.0
≥ 12000	14.8	40.7	47.1	52.3	61.9	62.6	62.6	62.6	62.6	62.6	62.6
≥ 10000	15.5	41.9	48.4	54.2	63.9	65.8	65.8	65.8	65.8	65.8	65.8
≥ 9000	15.5	41.9	48.4	54.2	63.9	65.8	65.8	65.8	65.8	65.8	65.8
≥ 8000	16.1	44.5	52.3	58.7	68.4	70.3	70.3	70.3	70.3	70.3	70.3
≥ 7000	16.8	45.2	52.9	59.4	69.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 6000	16.8	45.8	53.6	60.0	69.7	71.6	71.6	71.6	71.6	71.6	71.6
≥ 5000	16.8	46.5	54.2	60.7	70.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500	16.8	47.7	55.5	61.9	71.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4000	16.8	48.4	56.8	63.2	72.9	74.8	75.5	75.5	75.5	75.5	75.5
≥ 3500	17.4	49.7	58.1	64.5	74.2	76.1	76.8	77.4	77.4	77.4	77.4
≥ 3000	19.4	51.6	60.0	66.5	76.8	78.7	79.4	80.0	80.0	80.0	80.0
≥ 2500	20.0	54.8	63.2	70.3	80.7	82.6	83.9	84.5	84.5	84.5	84.5
≥ 2000	20.7	56.8	65.2	72.3	82.6	84.5	85.8	86.5	87.1	87.1	87.1
≥ 1800	20.7	56.8	65.2	72.3	82.6	84.5	85.8	86.5	87.1	87.1	87.1
≥ 1500	20.7	56.8	65.2	72.3	84.5	87.1	89.0	89.7	90.3	90.3	90.3
≥ 1200	20.7	58.1	66.5	74.2	86.5	89.7	91.6	92.3	92.9	92.9	92.9
≥ 1000	20.7	58.7	67.1	75.5	87.7	91.6	93.6	94.2	94.8	94.8	94.8
≥ 900	20.7	58.7	67.1	75.5	87.7	91.6	93.6	94.2	94.8	94.8	94.8
≥ 800	20.7	59.4	67.7	76.1	88.4	92.9	95.5	96.1	96.8	96.8	96.8
≥ 700	20.7	59.4	67.7	76.1	88.4	92.9	95.5	96.1	96.8	96.8	96.8
≥ 600	20.7	59.4	67.7	76.1	88.4	92.9	95.5	96.1	96.8	96.8	96.8
≥ 500	20.7	59.4	67.7	76.1	88.4	92.9	96.8	98.1	98.7	98.7	98.7
≥ 400	20.7	59.4	67.7	76.1	88.4	92.9	97.4	98.7	99.4	100.0	100.0
≥ 300	20.7	59.4	67.7	76.1	88.4	92.9	97.4	98.7	99.4	100.0	100.0
≥ 200	20.7	59.4	67.7	76.1	88.4	92.9	97.4	98.7	99.4	100.0	100.0
≥ 100	20.7	59.4	67.7	76.1	88.4	92.9	97.4	98.7	99.4	100.0	100.0
0	20.7	59.4	67.7	76.1	88.4	92.9	97.4	98.7	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

AUG  
MONTH

13  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	13.6	31.0	35.5	38.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000	16.1	38.1	43.2	46.5	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 18000	16.1	38.1	43.2	46.5	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 16000	16.1	38.1	43.2	46.5	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 14000	16.1	38.1	43.2	46.5	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 12000	16.8	38.7	43.9	47.1	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 10000	18.1	41.9	47.1	50.3	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 9000	18.1	43.2	48.4	51.6	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 8000	18.7	44.5	51.0	55.5	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 7000	19.4	45.8	52.3	56.8	61.9	62.6	63.2	63.2	63.2	63.2	63.2	63.2
≥ 6000	19.4	45.8	52.3	56.8	61.9	62.6	63.2	63.2	63.2	63.2	63.2	63.2
≥ 5000	19.4	47.1	54.2	58.7	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4500	19.4	47.7	54.8	59.4	65.2	65.8	67.1	67.1	67.1	67.1	67.1	67.1
≥ 4000	20.0	49.7	58.1	62.6	68.4	69.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3500	22.6	52.9	62.6	67.7	73.6	74.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3000	23.9	56.8	67.7	73.6	80.0	81.3	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500	24.5	61.9	72.9	80.7	87.1	89.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	24.5	61.9	72.9	81.3	87.7	90.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	25.2	62.6	73.6	81.9	88.4	91.0	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1500	25.2	62.6	74.2	82.6	89.0	91.6	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1200	25.2	63.9	75.5	83.9	90.3	92.9	95.5	96.1	96.1	96.1	96.1	96.1
≥ 1000	25.2	64.5	76.1	84.5	91.6	94.2	96.8	97.4	97.4	97.4	97.4	97.4
≥ 900	25.2	64.5	76.8	85.2	92.3	94.8	97.4	98.1	98.1	98.1	98.1	98.1
≥ 800	25.2	64.5	76.8	85.2	92.3	94.8	97.4	98.1	98.1	98.1	98.1	98.1
≥ 700	25.2	64.5	76.8	85.2	92.9	95.5	98.1	98.7	98.7	98.7	98.7	98.7
≥ 600	25.2	64.5	76.8	85.2	93.6	96.1	98.7	99.4	99.4	99.4	99.4	99.4
≥ 500	25.2	64.5	76.8	85.2	93.6	96.1	99.4	100.0	100.0	100.0	100.0	100.0
≥ 400	25.2	64.5	76.8	85.2	93.6	96.1	99.4	100.0	100.0	100.0	100.0	100.0
≥ 300	25.2	64.5	76.8	85.2	93.6	96.1	99.4	100.0	100.0	100.0	100.0	100.0
≥ 200	25.2	64.5	76.8	85.2	93.6	96.1	99.4	100.0	100.0	100.0	100.0	100.0
≥ 100	25.2	64.5	76.8	85.2	93.6	96.1	99.4	100.0	100.0	100.0	100.0	100.0
0	25.2	64.5	76.8	85.2	93.6	96.1	99.4	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

153

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	12.9	33.6	38.1	41.3	43.2	43.9	45.2	45.2	45.2	45.2	45.2
≥ 20000	14.8	41.3	45.8	51.0	52.9	53.6	54.8	54.8	54.8	54.8	54.8
≥ 18000	14.8	41.3	45.8	51.0	52.9	53.6	54.8	54.8	54.8	54.8	54.8
≥ 16000	14.8	41.3	45.8	51.0	52.9	53.6	54.8	54.8	54.8	54.8	54.8
≥ 14000	14.8	41.3	45.8	51.0	52.9	53.6	54.8	54.8	54.8	54.8	54.8
≥ 12000	16.1	42.6	47.1	52.3	54.8	55.5	56.8	56.8	56.8	56.8	56.8
≥ 10000	18.1	46.5	51.0	57.4	60.0	60.7	61.9	61.9	61.9	61.9	61.9
≥ 9000	18.1	47.1	52.3	58.1	60.7	61.3	62.6	62.6	62.6	62.6	62.6
≥ 8000	18.7	50.3	55.5	62.6	65.8	66.5	67.7	67.7	67.7	67.7	67.7
≥ 7000	18.7	52.3	58.1	65.2	68.4	69.0	70.3	70.3	70.3	70.3	70.3
≥ 6000	18.7	52.9	58.7	65.8	69.0	69.7	71.0	71.0	71.0	71.0	71.0
≥ 5000	18.7	55.5	61.3	68.4	71.6	72.3	73.6	73.6	73.6	73.6	73.6
≥ 4500	19.4	56.8	62.6	69.7	72.9	73.6	74.8	74.8	74.8	74.8	74.8
≥ 4000	21.9	61.3	67.7	75.5	78.7	80.0	81.3	81.3	81.3	81.3	81.3
≥ 3500	22.6	65.2	71.6	80.0	83.2	85.2	86.5	86.5	86.5	86.5	86.5
≥ 3000	22.6	66.5	73.6	82.6	85.8	87.7	89.0	89.0	89.0	89.0	89.0
≥ 2500	23.2	67.1	74.8	83.9	87.1	89.0	90.3	90.3	90.3	90.3	90.3
≥ 2000	23.2	67.1	74.8	83.9	87.1	89.7	91.0	91.6	91.6	91.6	91.6
≥ 1800	23.2	67.1	74.8	83.9	87.1	89.7	91.0	91.6	91.6	91.6	91.6
≥ 1500	23.2	67.1	74.8	83.9	87.7	91.0	92.3	92.9	92.9	92.9	92.9
≥ 1200	23.2	67.1	74.8	83.9	87.7	91.0	92.9	93.6	93.6	93.6	93.6
≥ 1000	23.2	67.1	75.5	84.5	89.0	92.3	94.2	94.8	94.8	94.8	94.8
≥ 900	23.2	67.1	75.5	84.5	89.0	92.3	94.2	94.8	94.8	94.8	94.8
≥ 800	23.2	67.7	76.8	85.8	90.3	93.6	95.5	96.1	96.8	96.8	96.8
≥ 700	23.2	67.7	77.4	86.5	91.6	94.8	96.8	97.4	98.1	98.1	98.1
≥ 600	23.2	67.7	77.4	86.5	91.6	94.8	96.8	97.4	98.1	98.1	98.1
≥ 500	23.2	67.7	77.4	86.5	91.6	94.8	96.8	98.1	98.7	98.7	98.7
≥ 400	23.2	67.7	77.4	86.5	91.6	94.8	97.4	99.4	100.0	100.0	100.0
≥ 300	23.2	67.7	77.4	86.5	91.6	94.8	97.4	99.4	100.0	100.0	100.0
≥ 200	23.2	67.7	77.4	86.5	91.6	94.8	97.4	99.4	100.0	100.0	100.0
≥ 100	23.2	67.7	77.4	86.5	91.6	94.8	97.4	99.4	100.0	100.0	100.0
0	23.2	67.7	77.4	86.5	91.6	94.8	97.4	99.4	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	13.6	38.1	41.3	45.2	49.0	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 20000	14.8	44.5	47.7	52.9	58.7	61.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 18000	14.8	44.5	47.7	52.9	58.7	61.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 16000	14.8	44.5	47.7	52.9	58.7	61.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 14000	14.8	44.5	47.7	52.9	58.7	61.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 12000	15.5	45.8	49.0	54.2	60.7	63.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 10000	18.1	50.3	53.6	60.0	66.5	69.7	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 9000	18.1	51.6	54.8	61.3	67.7	71.0	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 8000	19.4	56.8	60.0	66.5	73.6	76.8	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 7000	19.4	57.4	61.3	68.4	75.5	78.7	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 6000	19.4	57.4	61.3	68.4	75.5	78.7	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 5000	19.4	58.1	62.6	69.7	76.8	80.0	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4500	19.4	58.1	62.6	69.7	77.4	80.7	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4000	19.4	59.4	63.9	71.0	78.7	83.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500	19.4	59.4	63.9	71.0	78.7	83.2	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000	19.4	61.3	65.8	72.9	81.3	85.8	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2500	19.4	61.3	66.5	73.6	81.3	86.5	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2000	19.4	61.9	67.1	75.5	84.5	89.0	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1800	19.4	61.9	67.1	75.5	84.5	89.0	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1500	19.4	61.9	67.1	75.5	84.5	89.0	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200	19.4	61.9	67.1	75.5	84.5	89.0	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1000	19.4	62.6	67.7	76.1	85.2	89.7	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 900	19.4	62.6	67.7	76.1	85.2	89.7	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 800	19.4	62.6	67.7	76.1	85.2	89.7	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 700	19.4	62.6	67.7	76.1	85.2	89.7	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 600	19.4	62.6	67.7	76.1	85.2	89.7	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 500	19.4	62.6	67.7	76.1	85.2	89.7	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 400	19.4	62.6	67.7	76.1	85.2	89.7	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 300	19.4	62.6	67.7	76.1	85.2	89.7	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 200	19.4	62.6	67.7	76.1	85.2	89.7	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 100	19.4	62.6	67.7	76.1	85.2	89.7	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 0	19.4	62.6	67.7	76.1	85.2	89.7	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	10.3	38.7	41.9	45.8	48.4	50.3	51.0	51.0	51.0	51.0	51.0
≥ 20000	12.3	45.8	49.7	56.8	60.7	63.2	65.2	65.8	65.8	65.8	65.8
≥ 18000	12.3	45.8	49.7	56.8	60.7	63.2	65.2	65.8	65.8	65.8	65.8
≥ 16000	12.3	45.8	49.7	56.8	60.7	63.2	65.2	65.8	65.8	65.8	65.8
≥ 14000	12.3	45.8	49.7	56.8	60.7	63.2	65.2	65.8	65.8	65.8	65.8
≥ 12000	12.3	45.8	49.7	56.8	60.7	63.2	65.2	65.8	65.8	65.8	65.8
≥ 10000	12.9	49.7	54.2	61.3	65.2	67.7	69.7	70.3	70.3	70.3	70.3
≥ 9000	12.9	49.7	54.2	61.3	65.2	67.7	69.7	70.3	70.3	70.3	70.3
≥ 8000	14.2	58.1	62.6	69.7	74.8	78.1	81.3	81.9	81.9	81.9	81.9
≥ 7000	14.8	59.4	63.9	71.0	76.1	79.4	82.6	83.2	83.2	83.2	83.2
≥ 6000	14.8	59.4	63.9	71.0	76.1	79.4	82.6	83.2	83.2	83.2	83.2
≥ 5000	14.8	59.4	63.9	71.0	76.1	79.4	82.6	83.2	83.2	83.2	83.2
≥ 4500	15.5	60.7	65.2	72.3	77.4	80.7	83.9	84.5	84.5	84.5	84.5
≥ 4000	15.5	62.6	67.7	74.8	80.7	83.9	87.7	88.4	88.4	88.4	88.4
≥ 3500	15.5	63.2	68.4	76.1	82.6	85.8	89.7	90.3	90.3	90.3	90.3
≥ 3000	15.5	63.9	69.0	77.4	83.2	86.5	90.3	92.3	92.3	92.3	92.3
≥ 2500	15.5	63.9	69.7	78.1	84.5	87.7	91.6	93.6	93.6	93.6	93.6
≥ 2000	15.5	63.9	69.7	78.1	85.2	89.0	92.9	94.8	94.8	94.8	94.8
≥ 1800	16.1	64.5	70.3	78.7	85.8	89.7	93.6	95.5	95.5	95.5	95.5
≥ 1500	16.1	64.5	70.3	78.7	85.8	89.7	93.6	95.5	95.5	95.5	95.5
≥ 1200	16.1	64.5	70.3	78.7	85.8	89.7	93.6	95.5	95.5	95.5	95.5
≥ 1000	16.1	64.5	70.3	78.7	85.8	89.7	93.6	95.5	95.5	95.5	95.5
≥ 900	16.1	64.5	70.3	78.7	85.8	89.7	93.6	95.5	95.5	95.5	95.5
≥ 800	16.1	64.5	70.3	78.7	85.8	89.7	93.6	95.5	95.5	95.5	95.5
≥ 700	16.1	65.8	71.6	80.0	87.1	91.0	94.8	96.8	96.8	96.8	96.8
≥ 600	16.1	65.8	71.6	80.0	87.1	91.0	95.5	97.4	97.4	97.4	97.4
≥ 500	16.1	66.5	72.3	80.7	87.7	91.6	96.1	98.1	98.1	98.1	98.1
≥ 400	16.1	66.5	72.3	80.7	87.7	91.6	96.8	98.7	98.7	98.7	98.7
≥ 300	16.1	66.5	72.3	80.7	87.7	91.6	97.4	99.4	99.4	99.4	99.4
≥ 200	16.1	66.5	72.3	80.7	87.7	91.6	97.4	99.4	99.4	99.4	99.4
≥ 100	16.1	66.5	72.3	80.7	87.7	91.6	97.4	99.4	99.4	99.4	99.4
0	16.1	66.5	72.3	80.7	87.7	91.6	97.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	10.8	32.4	36.3	39.5	43.8	45.5	47.9	48.4	48.6	48.8	49.0	49.1	49.1	49.1	49.3
≥ 20000	12.3	37.8	41.9	46.2	52.1	54.1	57.5	58.2	58.4	58.8	59.0	59.1	59.1	59.2	59.4
≥ 18000	12.3	37.8	41.9	46.2	52.1	54.1	57.5	58.2	58.4	58.8	59.0	59.1	59.1	59.2	59.4
≥ 16000	12.3	37.8	41.9	46.2	52.1	54.1	57.5	58.2	58.4	58.8	59.0	59.1	59.1	59.2	59.4
≥ 14000	12.3	37.8	41.9	46.2	52.1	54.1	57.5	58.2	58.4	58.8	59.0	59.1	59.1	59.2	59.4
≥ 12000	12.6	38.8	43.1	47.5	53.6	55.7	59.1	59.8	60.0	60.3	60.5	60.6	60.7	60.8	60.9
≥ 10000	13.6	41.6	46.2	51.0	57.3	59.5	63.0	63.7	63.9	64.3	64.4	64.5	64.6	64.7	64.9
≥ 9000	13.6	42.2	46.9	51.6	57.9	60.1	63.9	64.6	64.8	65.1	65.3	65.4	65.5	65.6	65.8
≥ 8000	14.3	45.9	51.1	56.3	63.4	66.0	70.4	71.2	71.3	71.7	71.9	72.0	72.0	72.1	72.3
≥ 7000	14.5	46.9	52.2	57.6	64.7	67.3	71.8	72.5	72.7	73.0	73.2	73.3	73.4	73.5	73.7
≥ 6000	14.7	47.3	52.7	58.1	65.1	67.7	72.2	72.9	73.1	73.5	73.7	73.8	73.8	73.9	74.1
≥ 5000	14.7	48.4	54.0	59.5	66.6	69.3	73.8	74.6	74.7	75.1	75.3	75.4	75.5	75.5	75.7
≥ 4500	15.0	49.3	54.9	60.4	67.7	70.4	75.2	75.9	76.1	76.4	76.6	76.7	76.8	76.9	77.1
≥ 4000	15.4	51.0	57.2	62.7	70.3	73.3	78.5	79.2	79.5	79.8	80.0	80.1	80.2	80.4	80.6
≥ 3500	16.0	52.6	59.0	64.9	72.4	75.6	80.9	81.7	82.1	82.4	82.6	82.7	82.8	83.0	83.2
≥ 3000	16.7	54.1	60.8	66.9	74.9	78.1	83.4	84.5	84.9	85.2	85.4	85.5	85.6	85.8	85.9
≥ 2500	16.9	55.5	62.4	68.9	77.0	80.3	85.7	86.7	87.1	87.5	87.6	87.7	87.8	88.0	88.2
≥ 2000	17.0	56.2	63.1	69.9	78.2	81.8	87.2	88.4	88.7	89.2	89.3	89.4	89.5	89.6	89.9
≥ 1800	17.2	56.4	63.3	70.1	78.4	82.0	87.4	88.5	88.9	89.3	89.5	89.6	89.7	89.8	90.1
≥ 1500	17.2	55.5	63.5	70.4	79.3	83.2	88.7	90.0	90.3	90.8	91.0	91.0	91.1	91.2	91.5
≥ 1200	17.2	57.1	64.2	71.1	80.1	84.1	89.9	91.2	91.6	92.0	92.2	92.3	92.4	92.5	92.7
≥ 1000	17.2	57.5	64.7	71.7	81.0	85.1	91.0	92.3	92.8	93.3	93.5	93.6	93.6	93.7	94.0
≥ 900	17.2	57.5	64.8	71.8	81.1	85.2	91.1	92.6	92.9	93.4	93.6	93.6	93.7	93.8	94.1
≥ 800	17.2	57.9	65.3	72.3	81.6	86.1	92.1	93.6	94.0	94.4	94.6	94.7	94.8	95.0	95.2
≥ 700	17.2	57.9	65.4	72.4	82.1	86.4	92.4	93.8	94.3	94.7	94.9	95.0	95.1	95.2	95.4
≥ 600	17.2	58.0	65.5	72.5	82.3	86.6	92.7	94.1	94.5	95.0	95.2	95.3	95.4	95.5	95.7
≥ 500	17.2	58.2	65.8	72.9	82.7	87.1	93.6	95.5	96.0	96.4	96.8	97.0	97.1	97.2	97.5
≥ 400	17.2	58.2	65.8	72.9	82.7	87.2	94.2	96.4	96.9	97.3	97.8	97.9	98.0	98.1	98.5
≥ 300	17.2	58.2	65.8	72.9	82.7	87.3	94.4	96.8	97.2	97.7	98.2	98.4	98.6	98.8	99.0
≥ 200	17.2	58.2	65.8	72.9	82.7	87.4	94.6	97.0	97.4	97.9	98.4	98.6	98.9	99.0	99.6
≥ 100	17.2	58.2	65.8	72.9	82.7	87.4	94.6	97.0	97.4	97.9	98.4	98.6	98.9	99.0	100.0
0	17.2	58.2	65.8	72.9	82.7	87.4	94.6	97.0	97.4	97.9	98.4	98.6	98.9	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1116

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75

YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	10.9	38.9	43.3	45.6	48.9	48.9	52.2	55.6	55.6	55.6	56.7	56.7	56.7
≥ 20000	21.1	43.3	47.8	52.2	55.6	55.6	58.9	62.2	62.2	62.2	63.3	64.4	64.4
≥ 18000	21.1	43.3	47.8	52.2	55.6	55.6	58.9	62.2	62.2	62.2	63.3	64.4	64.4
≥ 16000	21.1	43.3	47.8	52.2	55.6	55.6	58.9	62.2	62.2	62.2	63.3	64.4	64.4
≥ 14000	21.1	43.3	47.8	52.2	55.6	55.6	58.9	62.2	62.2	62.2	63.3	64.4	64.4
≥ 12000	21.1	44.4	48.9	53.3	56.7	56.7	60.0	63.3	63.3	63.3	64.4	65.6	65.6
≥ 10000	22.2	48.9	53.3	57.8	61.1	61.1	64.4	67.8	67.8	67.8	68.9	70.0	70.0
≥ 9000	22.2	48.9	53.3	57.8	61.1	61.1	64.4	67.8	67.8	67.8	68.9	70.0	70.0
≥ 8000	23.3	51.1	55.6	60.0	63.3	63.3	66.7	70.0	70.0	70.0	71.1	72.2	72.2
≥ 7000	23.3	52.2	56.7	61.1	64.4	64.4	67.8	71.1	71.1	71.1	72.2	73.3	73.3
≥ 6000	23.3	52.2	56.7	61.1	64.4	64.4	67.8	71.1	71.1	71.1	72.2	73.3	73.3
≥ 5000	23.3	52.2	56.7	61.1	64.4	64.4	67.8	71.1	71.1	71.1	72.2	73.3	73.3
≥ 4500	25.6	54.4	58.9	63.3	66.7	66.7	70.0	73.3	73.3	73.3	74.4	75.6	75.6
≥ 4000	25.6	54.4	58.9	63.3	66.7	66.7	70.0	73.3	73.3	73.3	74.4	75.6	75.6
≥ 3500	25.6	54.4	60.0	64.4	67.8	67.8	71.1	74.4	74.4	74.4	75.6	76.7	76.7
≥ 3000	25.6	54.4	60.0	64.4	67.8	67.8	71.1	74.4	74.4	74.4	75.6	76.7	76.7
≥ 2500	25.6	57.8	63.3	67.8	71.1	71.1	75.6	78.9	78.9	78.9	80.0	81.1	81.1
≥ 2000	25.6	61.1	66.7	71.1	74.4	74.4	78.9	82.2	82.2	82.2	83.3	84.4	84.4
≥ 1800	25.6	61.1	66.7	71.1	74.4	74.4	78.9	82.2	82.2	82.2	83.3	84.4	84.4
≥ 1500	25.6	61.1	66.7	71.1	74.4	74.4	78.9	82.2	82.2	82.2	83.3	84.4	84.4
≥ 1200	25.6	61.1	67.8	72.2	75.6	75.6	80.0	83.3	83.3	83.3	84.4	85.6	85.6
≥ 1000	25.6	61.1	68.9	73.3	76.7	76.7	81.1	84.4	84.4	84.4	85.6	86.7	86.7
≥ 900	25.6	61.1	68.9	73.3	76.7	76.7	81.1	84.4	84.4	84.4	85.6	86.7	86.7
≥ 800	25.6	61.1	68.9	73.3	76.7	76.7	81.1	84.4	84.4	84.4	85.6	86.7	86.7
≥ 700	25.6	61.1	70.0	75.6	78.9	78.9	83.3	86.7	86.7	86.7	87.8	88.9	88.9
≥ 600	25.6	61.1	70.0	75.6	78.9	78.9	83.3	86.7	86.7	86.7	87.8	88.9	88.9
≥ 500	25.6	61.1	70.0	75.6	78.9	78.9	83.3	86.7	86.7	86.7	87.8	88.9	88.9
≥ 400	25.6	61.1	71.1	76.7	80.0	80.0	84.4	87.8	87.8	87.8	88.9	89.9	89.9
≥ 300	25.6	61.1	71.1	76.7	81.1	81.1	85.6	89.9	89.9	89.9	90.0	91.1	91.1
≥ 200	25.6	61.1	71.1	76.7	81.1	81.1	85.6	89.9	89.9	89.9	90.0	91.1	91.1
≥ 100	25.6	61.1	71.1	76.7	81.1	81.1	85.6	89.9	89.9	89.9	90.0	91.1	91.1
0	25.6	61.1	71.1	76.7	81.1	81.1	85.6	89.9	89.9	89.9	90.0	91.1	91.1

TOTAL NUMBER OF OBSERVATIONS

90

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75

YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	15.6	32.2	34.4	35.6	37.8	37.8	42.2	47.8	47.8	48.9	50.0	51.1
≥ 20000	15.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	56.7
≥ 18000	15.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	56.7
≥ 16000	15.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	56.7
≥ 14000	15.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	56.7
≥ 12000	15.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	56.7
≥ 10000	16.7	40.0	42.2	44.4	48.9	50.0	54.4	60.0	60.0	61.1	62.2	63.3
≥ 9000	16.7	40.0	42.2	44.4	48.9	50.0	54.4	61.1	61.1	62.2	63.3	64.4
≥ 8000	18.9	43.3	46.7	48.9	53.3	54.4	58.9	65.6	65.6	66.7	67.8	68.9
≥ 7000	18.9	43.3	46.7	48.9	53.3	54.4	58.9	65.6	65.6	66.7	67.8	68.9
≥ 6000	18.9	43.3	46.7	48.9	53.3	54.4	58.9	65.6	65.6	66.7	67.8	68.9
≥ 5000	20.0	45.6	48.9	51.1	55.6	56.7	61.1	67.8	67.8	68.9	70.0	71.1
≥ 4500	21.1	46.7	50.0	52.2	56.7	57.8	62.2	68.9	68.9	70.0	71.1	72.2
≥ 4000	22.2	48.9	53.3	55.6	60.0	61.1	65.6	72.2	72.2	73.3	75.6	76.7
≥ 3500	22.2	48.9	54.4	56.7	61.1	62.2	66.7	73.3	73.3	74.4	76.7	77.8
≥ 3000	22.2	48.9	54.4	56.7	61.1	62.2	66.7	73.3	73.3	74.4	76.7	77.8
≥ 2500	22.2	50.0	55.6	57.8	62.2	64.4	68.9	75.6	75.6	76.7	78.9	80.0
≥ 2000	22.2	51.1	57.8	60.0	64.4	66.7	71.1	77.8	77.8	78.9	81.1	82.2
≥ 1800	22.2	51.1	57.8	60.0	64.4	66.7	71.1	77.8	77.8	78.9	81.1	82.2
≥ 1500	22.2	51.1	58.9	61.1	65.6	67.8	72.2	78.9	78.9	80.0	82.2	83.3
≥ 1200	22.2	52.2	60.0	62.2	66.7	68.9	73.3	80.0	80.0	81.1	83.3	84.4
≥ 1000	22.2	52.2	61.1	64.4	68.9	71.1	75.6	82.2	82.2	83.3	85.6	86.7
≥ 900	22.2	52.2	61.1	64.4	68.9	71.1	75.6	82.2	82.2	83.3	85.6	86.7
≥ 800	22.2	52.2	61.1	64.4	68.9	71.1	75.6	82.2	82.2	83.3	85.6	86.7
≥ 700	22.2	53.3	62.2	65.6	70.0	73.3	77.8	84.4	84.4	85.6	87.8	88.9
≥ 600	22.2	54.4	63.3	66.7	71.1	74.4	78.9	85.6	85.6	86.7	88.9	90.0
≥ 500	22.2	54.4	63.3	66.7	71.1	74.4	78.9	85.6	85.6	86.7	88.9	90.0
≥ 400	22.2	54.4	63.3	66.7	71.1	75.6	81.1	88.9	88.9	91.1	93.3	94.4
≥ 300	22.2	54.4	63.3	66.7	71.1	75.6	81.1	88.9	88.9	91.1	94.4	95.6
≥ 200	22.2	54.4	63.3	66.7	71.1	75.6	81.1	88.9	88.9	91.1	95.6	96.7
≥ 100	22.2	54.4	63.3	66.7	71.1	75.6	81.1	88.9	88.9	91.1	95.6	96.7
0	22.2	54.4	63.3	66.7	71.1	75.6	81.1	88.9	88.9	91.1	95.6	96.7

TOTAL NUMBER OF OBSERVATIONS

90

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07  
HOURS (L & T)

CEILING (FEET)		VISIBILITY (STATUTE MILES)															
		≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	13.3	27.3	28.7	30.7	32.7	33.3	36.7	38.0	38.0	38.7	40.7	42.7	44.0	44.0	44.7	45.3	
≥ 20000	14.7	30.0	32.0	34.0	36.0	36.7	40.7	42.7	42.7	43.3	46.0	48.0	50.0	50.0	50.7	51.3	
≥ 18000	15.3	30.7	32.7	34.7	36.7	37.3	41.3	43.3	43.3	44.0	46.7	48.7	50.7	50.7	51.3	52.0	
≥ 16000	15.3	30.7	32.7	34.7	36.7	37.3	41.3	43.3	43.3	44.0	46.7	48.7	50.7	50.7	51.3	52.0	
≥ 14000	15.3	30.7	32.7	34.7	36.7	37.3	41.3	43.3	43.3	44.0	46.7	48.7	50.7	50.7	51.3	52.0	
≥ 12000	16.0	31.3	33.3	35.3	37.3	38.0	42.0	44.0	44.0	44.7	47.3	49.3	51.3	51.3	52.0	52.7	
≥ 10000	16.7	32.7	34.7	36.7	38.7	39.3	43.3	45.3	45.3	46.0	48.7	50.7	52.0	52.0	54.0	54.7	
≥ 9000	16.7	32.7	34.7	36.7	38.7	39.3	43.3	45.3	45.3	46.0	48.7	50.7	52.0	52.0	54.0	54.7	
≥ 8000	17.3	34.7	36.7	38.7	41.3	42.0	46.7	49.3	49.3	50.0	52.7	54.7	56.7	56.7	58.0	58.7	
≥ 7000	17.3	36.7	38.7	40.7	43.3	44.7	49.3	52.7	53.3	54.0	56.7	58.7	60.7	60.7	61.3	62.0	
≥ 6000	17.3	36.7	38.7	40.7	43.3	44.7	49.3	52.7	53.3	54.0	56.7	58.7	60.7	60.7	61.3	62.0	
≥ 5000	18.0	37.3	39.3	41.3	44.0	45.3	50.0	53.3	53.3	54.0	56.7	58.7	60.7	61.3	62.0	62.7	
≥ 4500	18.0	38.7	40.7	42.7	46.7	48.0	52.7	56.0	56.0	56.7	59.3	61.3	63.3	63.3	65.3	66.0	
≥ 4000	18.7	41.3	43.3	45.3	49.3	50.7	55.3	58.7	58.7	59.3	61.3	63.3	65.3	65.3	68.0	68.7	
≥ 3500	19.3	42.0	44.0	46.7	50.7	52.0	56.7	60.0	60.0	60.7	62.0	64.7	66.7	66.7	69.3	70.0	
≥ 3000	19.3	42.7	44.7	47.3	51.3	53.3	58.0	61.3	61.3	62.0	64.0	66.7	68.7	68.7	71.3	72.0	
≥ 2500	19.3	44.0	46.0	49.3	53.3	55.3	60.0	63.3	63.3	64.0	66.0	68.7	70.7	72.7	73.3	74.0	
≥ 2000	20.0	45.3	47.3	50.7	54.7	56.7	62.0	65.3	65.3	66.0	68.0	70.7	72.7	74.7	75.3	76.0	
≥ 1800	20.0	45.3	47.3	50.7	54.7	56.7	62.0	65.3	65.3	66.0	68.0	70.7	72.7	74.7	75.3	76.0	
≥ 1500	20.7	46.0	48.7	52.7	56.7	59.3	65.3	68.7	68.7	69.3	72.0	74.7	76.7	78.7	79.3	80.0	
≥ 1200	20.7	46.7	49.3	54.0	58.0	61.3	67.3	70.7	70.7	71.3	74.0	76.7	78.7	80.7	81.3	82.0	
≥ 1000	20.7	46.7	49.3	54.0	58.0	61.3	67.3	70.7	70.7	71.3	74.0	76.7	78.7	80.7	81.3	82.0	
≥ 900	20.7	46.7	49.3	54.0	58.0	61.3	67.3	70.7	70.7	71.3	74.0	76.7	78.7	80.7	81.3	82.0	
≥ 800	20.7	47.3	50.0	54.7	58.7	62.0	68.7	72.7	72.7	73.3	76.0	78.7	80.7	81.3	82.0	82.7	
≥ 700	20.7	47.3	50.0	54.7	58.7	62.0	68.7	72.7	72.7	73.3	76.0	78.7	80.7	81.3	82.7	83.0	
≥ 600	20.7	47.3	50.0	54.7	58.7	62.0	68.7	72.7	72.7	73.3	76.0	78.7	80.7	81.3	82.7	83.3	
≥ 500	20.7	47.3	50.7	55.3	60.7	64.0	70.7	74.0	74.0	75.0	78.0	80.7	82.7	84.7	86.7	87.3	
≥ 400	20.7	47.3	50.7	55.3	61.3	66.7	72.7	76.7	76.7	77.3	80.7	82.7	84.7	86.7	88.0	88.0	
≥ 300	20.7	47.3	50.7	55.3	61.3	66.7	72.7	76.7	76.7	77.3	80.7	82.7	84.7	86.7	88.0	88.0	
≥ 200	20.7	47.3	50.7	55.3	61.3	66.7	72.7	76.7	76.7	77.3	80.7	82.7	84.7	86.7	88.0	88.0	
≥ 100	20.7	47.3	50.7	55.3	61.3	66.7	72.7	76.7	76.7	77.3	80.7	82.7	84.7	86.7	88.0	88.0	
0	20.7	47.3	50.7	55.3	61.3	66.7	72.7	76.7	76.7	77.3	80.7	82.7	84.7	86.7	88.0	88.0	

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

SEP  
MONTH

10  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼
NO CEILING	20.7	40.7	44.7	45.3	46.0	46.7	47.3	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	21.3	45.3	49.3	50.0	50.7	52.0	53.3	54.0	54.0	54.0	54.0	54.0	54.0
≥ 18000	21.3	45.3	49.3	50.0	50.7	52.0	53.3	54.0	54.0	54.0	54.0	54.0	54.0
≥ 16000	21.3	45.3	49.3	50.0	50.7	52.0	53.3	54.0	54.0	54.0	54.0	54.0	54.0
≥ 14000	21.3	45.3	49.3	50.0	50.7	52.0	53.3	54.0	54.0	54.0	54.0	54.0	54.0
≥ 12000	22.0	47.3	51.3	52.0	52.7	54.0	55.3	56.0	56.0	56.0	56.0	56.0	56.0
≥ 10000	22.0	48.7	52.7	53.3	54.0	55.3	56.7	57.3	57.3	57.3	57.3	57.3	57.3
≥ 9000	22.7	49.3	53.3	54.0	54.7	56.0	57.3	58.0	58.0	58.0	58.0	58.0	58.0
≥ 8000	24.7	54.0	58.0	59.3	60.0	62.0	63.3	64.0	64.0	64.0	64.0	64.0	64.0
≥ 7000	26.0	58.0	62.0	64.0	64.7	66.7	68.0	68.7	68.7	68.7	68.7	68.7	68.7
≥ 6000	26.0	58.0	62.0	64.0	64.7	66.7	68.0	69.3	69.3	69.3	69.3	69.3	69.3
≥ 5000	26.0	58.7	62.7	64.7	65.3	68.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4500	27.3	60.7	64.7	66.7	67.3	70.0	72.0	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4000	27.3	61.3	65.3	67.3	68.0	70.7	73.3	74.0	74.0	74.0	74.0	74.0	74.0
≥ 3500	28.0	63.3	67.3	69.3	70.0	72.7	75.3	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3000	28.0	64.0	68.0	70.0	70.7	73.3	76.0	76.7	76.7	76.7	76.7	76.7	76.7
≥ 2500	29.3	67.3	71.3	73.3	74.0	76.7	79.3	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2000	29.3	67.3	71.3	73.3	74.0	76.7	79.3	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1800	29.3	68.0	72.0	74.0	74.7	77.3	80.0	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1500	30.0	70.0	74.0	76.7	77.3	80.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1200	30.7	71.3	75.3	78.0	78.7	81.3	84.0	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1000	30.7	72.7	78.7	81.3	82.7	86.0	88.7	89.3	89.3	89.3	89.3	89.3	89.3
≥ 900	30.7	74.0	80.0	83.3	84.7	88.0	90.7	91.3	91.3	91.3	91.3	91.3	91.3
≥ 800	30.7	74.7	80.7	84.0	85.3	88.7	91.3	92.0	92.0	92.0	92.0	92.0	92.0
≥ 700	30.7	76.0	82.0	86.0	87.3	90.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7
≥ 600	30.7	76.7	82.7	87.3	88.7	92.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0
≥ 500	30.7	76.7	82.7	87.3	88.7	92.7	96.0	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400	30.7	76.7	82.7	87.3	88.7	92.7	96.0	97.3	97.3	98.0	98.0	98.0	98.0
≥ 300	30.7	76.7	82.7	87.3	89.3	93.3	96.7	98.7	98.7	99.3	100.0	100.0	100.0
≥ 200	30.7	76.7	82.7	87.3	89.3	93.3	96.7	98.7	98.7	99.3	100.0	100.0	100.0
≥ 100	30.7	76.7	82.7	87.3	89.3	93.3	96.7	98.7	98.7	99.3	100.0	100.0	100.0
0	30.7	76.7	82.7	87.3	89.3	93.3	96.7	98.7	98.7	99.3	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	20.7	37.3	39.3	40.0	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000	24.0	42.7	45.3	46.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 18000	24.0	42.7	45.3	46.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 16000	24.0	42.7	45.3	46.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 14000	24.0	43.3	46.0	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 12000	24.7	45.3	48.0	49.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 10000	25.3	46.7	49.3	50.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 9000	25.3	46.7	49.3	50.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 8000	27.3	50.7	53.3	54.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 7000	28.7	52.7	56.0	57.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 6000	28.7	52.7	56.0	57.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 5000	28.7	52.7	56.0	57.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 4500	28.7	53.3	56.7	58.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4000	29.3	58.0	62.0	63.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 3500	30.0	62.0	66.0	67.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 3000	31.3	66.0	70.0	71.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 2500	35.3	73.3	77.3	78.7	82.0	82.7	83.3	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2000	35.3	74.0	78.0	79.3	82.7	83.3	84.0	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1800	35.3	74.7	78.7	80.0	83.3	84.0	84.7	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1500	36.0	77.3	81.3	83.3	86.7	87.3	88.7	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1200	36.7	79.3	83.3	85.3	88.7	89.3	90.7	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1000	37.3	81.3	85.3	87.3	90.7	92.0	93.3	94.0	94.0	94.0	94.0	94.0	94.0
≥ 900	37.3	81.3	85.3	87.3	90.7	92.0	93.3	94.0	94.0	94.0	94.0	94.0	94.0
≥ 800	37.3	82.0	86.0	88.0	91.3	93.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3
≥ 700	37.3	82.0	86.0	88.0	91.3	93.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600	37.3	82.0	86.0	88.0	91.3	93.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0
≥ 500	37.3	82.0	86.0	88.0	91.3	93.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	37.3	82.0	86.0	88.0	91.3	93.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0
≥ 300	37.3	82.0	86.0	88.0	92.0	94.0	96.7	98.7	98.7	100.0	100.0	100.0	100.0
≥ 200	37.3	82.0	86.0	88.0	92.0	94.0	96.7	98.7	98.7	100.0	100.0	100.0	100.0
≥ 100	37.3	82.0	86.0	88.0	92.0	94.0	96.7	98.7	98.7	100.0	100.0	100.0	100.0
≥ 0	37.3	82.0	86.0	88.0	92.0	94.0	96.7	98.7	98.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET

SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

SEP  
MONTH

16  
HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	25.3	46.7	47.3	48.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 20000	28.7	52.7	53.3	54.0	55.3	55.3	55.3	56.0	56.0	56.0	56.0	56.0
≥ 18000	28.7	52.7	53.3	54.0	55.3	55.3	55.3	56.0	56.0	56.0	56.0	56.0
≥ 16000	28.7	52.7	53.3	54.0	55.3	55.3	55.3	56.0	56.0	56.0	56.0	56.0
≥ 14000	28.7	52.7	53.3	54.0	55.3	55.3	55.3	56.0	56.0	56.0	56.0	56.0
≥ 12000	28.7	52.7	53.3	54.0	55.3	55.3	55.3	56.0	56.0	56.0	56.0	56.0
≥ 10000	29.3	56.0	57.3	58.0	59.3	59.3	59.3	60.0	60.0	60.0	60.0	60.0
≥ 9000	29.3	56.7	58.0	58.7	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7
≥ 8000	30.7	60.7	62.7	63.3	64.7	64.7	64.7	65.3	65.3	65.3	65.3	65.3
≥ 7000	31.3	62.7	64.7	65.3	66.7	66.7	66.7	67.3	67.3	67.3	67.3	67.3
≥ 6000	31.3	63.3	65.3	66.0	67.3	67.3	67.3	68.0	68.0	68.0	68.0	68.0
≥ 5000	31.3	63.3	65.3	66.0	67.3	67.3	67.3	68.0	68.0	68.0	68.0	68.0
≥ 4500	31.3	66.7	68.7	69.3	70.7	70.7	70.7	71.3	71.3	71.3	71.3	71.3
≥ 4000	31.3	68.7	70.7	71.3	73.3	73.3	74.0	74.7	74.7	74.7	74.7	74.7
≥ 3500	34.0	72.7	74.7	75.3	77.3	77.3	78.0	78.7	78.7	78.7	78.7	78.7
≥ 3000	35.3	76.7	78.7	80.0	82.7	82.7	84.7	85.3	85.3	85.3	85.3	85.3
≥ 2500	35.3	78.0	80.0	81.3	84.0	84.0	86.0	86.7	86.7	86.7	86.7	86.7
≥ 2000	37.3	80.7	82.7	84.0	86.7	86.7	88.7	89.3	89.3	89.3	89.3	89.3
≥ 1800	37.3	81.3	83.3	84.7	87.3	87.3	89.3	90.0	90.0	90.0	90.0	90.0
≥ 1500	37.3	82.7	84.7	85.0	89.3	89.3	91.3	92.0	92.0	92.0	92.0	92.0
≥ 1200	37.3	82.7	84.7	86.0	89.3	89.3	91.3	92.7	92.7	92.7	92.7	92.7
≥ 1000	37.3	83.3	85.3	86.7	90.0	90.0	92.0	94.0	94.0	94.0	94.0	94.0
≥ 900	37.3	83.3	85.3	86.7	90.0	90.0	92.0	94.0	94.0	94.0	94.0	94.0
≥ 800	38.0	84.0	86.0	87.3	90.7	90.7	93.3	95.3	95.3	95.3	95.3	95.3
≥ 700	38.0	85.3	87.3	88.7	92.0	92.0	94.7	97.3	97.3	97.3	97.3	97.3
≥ 600	38.0	85.3	87.3	88.7	92.0	92.0	94.7	97.3	97.3	97.3	97.3	97.3
≥ 500	38.0	85.3	87.3	88.7	92.0	92.0	94.7	97.3	97.3	97.3	97.3	97.3
≥ 400	38.0	85.3	88.0	89.3	93.3	94.0	96.7	99.3	99.3	99.3	99.3	99.3
≥ 300	38.0	85.3	88.0	89.3	93.3	94.0	96.7	100.0	100.0	100.0	100.0	100.0
≥ 200	38.0	85.3	88.0	89.3	93.3	94.0	96.7	100.0	100.0	100.0	100.0	100.0
≥ 100	38.0	85.3	88.0	89.3	93.3	94.0	96.7	100.0	100.0	100.0	100.0	100.0
≥ 0	38.0	85.3	88.0	89.3	93.3	94.0	96.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	24.7	42.7	44.0	44.0	45.3	46.0	46.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	26.7	46.7	48.7	48.7	50.0	51.3	53.3	54.0	54.0	54.0	54.0	54.0
≥ 18000	26.7	46.7	48.7	48.7	50.0	51.3	53.3	54.0	54.0	54.0	54.0	54.0
≥ 16000	26.7	46.7	48.7	48.7	50.0	51.3	53.3	54.0	54.0	54.0	54.0	54.0
≥ 14000	26.7	47.3	49.3	49.3	50.7	52.0	54.0	54.7	54.7	54.7	54.7	54.7
≥ 12000	26.7	49.3	51.3	51.3	52.7	54.0	56.0	56.7	56.7	56.7	56.7	56.7
≥ 10000	28.0	50.7	52.7	52.7	54.7	56.7	58.7	59.3	59.3	59.3	59.3	59.3
≥ 9000	28.0	50.7	53.3	53.3	55.3	57.3	59.3	60.0	60.0	60.0	60.0	60.0
≥ 8000	30.0	55.3	58.0	58.7	60.7	62.7	64.7	65.3	65.3	65.3	65.3	65.3
≥ 7000	30.0	55.3	58.0	58.7	60.7	62.7	64.7	65.3	65.3	65.3	65.3	65.3
≥ 6000	30.0	55.3	58.0	58.7	60.7	62.7	64.7	65.3	65.3	65.3	65.3	65.3
≥ 5000	30.7	56.0	58.7	60.0	62.0	64.0	66.0	66.7	66.7	66.7	66.7	66.7
≥ 4500	30.7	58.0	60.7	62.7	64.7	66.7	68.7	69.3	69.3	69.3	69.3	69.3
≥ 4000	30.7	60.7	64.7	66.7	70.0	72.0	74.0	74.7	74.7	74.7	74.7	74.7
≥ 3500	31.3	62.7	66.7	68.7	72.0	74.7	76.7	77.3	77.3	77.3	77.3	77.3
≥ 3000	32.7	66.0	70.0	72.7	76.7	79.3	81.3	82.0	82.0	82.0	82.0	82.0
≥ 2500	34.0	68.7	72.7	76.0	80.0	82.7	84.7	85.3	85.3	85.3	85.3	85.3
≥ 2000	34.0	68.7	72.7	76.0	80.0	82.7	84.7	85.3	85.3	85.3	85.3	85.3
≥ 1800	34.0	68.7	72.7	76.0	80.0	82.7	84.7	85.3	85.3	85.3	85.3	85.3
≥ 1500	34.0	70.7	74.7	78.7	82.7	85.3	87.3	88.0	88.0	88.0	88.0	88.0
≥ 1200	34.0	70.7	74.7	78.7	82.7	85.3	87.3	88.0	88.0	88.0	88.0	88.0
≥ 1000	34.0	72.7	77.3	81.3	85.3	88.0	90.0	91.3	91.3	91.3	91.3	91.3
≥ 900	34.0	72.7	77.3	81.3	85.3	88.0	90.0	91.3	91.3	91.3	91.3	91.3
≥ 800	34.7	73.3	78.0	82.0	86.0	90.0	92.0	93.3	93.3	93.3	93.3	93.3
≥ 700	34.7	73.3	78.0	82.0	86.0	90.0	92.0	94.0	94.0	94.0	94.0	94.0
≥ 600	34.7	73.3	78.0	82.0	86.0	90.0	92.0	94.0	94.0	94.0	94.0	94.0
≥ 500	34.7	74.7	79.3	83.3	87.3	91.3	93.3	96.7	96.7	96.7	96.7	96.7
≥ 400	34.7	75.3	80.0	84.0	88.0	92.0	94.0	97.3	97.3	98.0	98.0	98.0
≥ 300	34.7	75.3	80.0	84.0	88.0	92.0	94.0	97.3	97.3	98.0	98.0	98.0
≥ 200	34.7	75.3	80.0	84.0	88.0	92.0	94.7	98.7	98.7	99.3	99.3	99.3
≥ 100	34.7	75.3	80.0	84.0	88.0	92.0	94.7	98.7	98.7	99.3	99.3	99.3
0	34.7	75.3	80.0	84.0	88.0	92.0	94.7	98.7	98.7	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	20.7	38.0	43.3	46.0	48.7	49.3	50.7	51.3	51.3	51.3	51.3	52.0	52.0
≥ 20000	26.0	44.7	50.0	54.0	56.7	57.3	58.7	59.3	59.3	59.3	59.3	60.0	60.0
≥ 18000	26.0	44.7	50.0	54.0	56.7	57.3	58.7	59.3	59.3	59.3	59.3	60.0	60.0
≥ 16000	26.0	44.7	50.0	54.0	56.7	57.3	58.7	59.3	59.3	59.3	59.3	60.0	60.0
≥ 14000	26.0	44.7	50.0	54.0	56.7	57.3	58.7	59.3	59.3	59.3	59.3	60.0	60.0
≥ 12000	26.0	44.7	50.0	54.0	56.7	57.3	58.7	59.3	59.3	59.3	59.3	60.0	60.0
≥ 10000	26.7	49.3	54.7	58.7	61.3	62.0	63.3	64.0	64.0	64.0	64.0	64.7	64.7
≥ 9000	27.3	50.0	55.3	59.3	62.0	62.7	64.0	64.7	64.7	64.7	64.7	65.3	65.3
≥ 8000	28.0	54.0	59.3	63.3	66.0	66.7	68.7	69.3	69.3	69.3	69.3	70.0	70.0
≥ 7000	28.0	54.0	59.3	63.3	66.0	66.7	68.7	69.3	69.3	69.3	69.3	70.0	70.0
≥ 6000	28.0	54.0	59.3	63.3	66.0	66.7	68.7	69.3	69.3	69.3	69.3	70.0	70.0
≥ 5000	28.7	54.7	60.0	64.7	67.3	68.0	70.0	70.7	70.7	70.7	70.7	71.3	71.3
≥ 4500	29.3	56.7	62.0	67.3	70.0	70.7	72.7	73.3	73.3	73.3	73.3	74.0	74.0
≥ 4000	30.7	59.3	65.3	71.3	74.0	74.7	76.7	78.0	78.0	78.0	78.0	78.7	78.7
≥ 3500	31.3	60.0	66.0	72.7	75.3	76.0	78.0	79.3	79.3	79.3	79.3	80.0	80.0
≥ 3000	31.3	60.0	66.0	73.3	76.7	78.0	80.0	81.3	81.3	81.3	81.3	82.0	82.0
≥ 2500	32.7	62.0	68.0	75.3	78.7	80.0	82.0	84.0	84.0	84.0	84.0	84.7	84.7
≥ 2000	32.7	64.7	70.7	78.0	81.3	82.7	84.7	86.7	86.7	86.7	86.7	87.3	87.3
≥ 1800	32.7	64.7	70.7	78.0	81.3	82.7	84.7	86.7	86.7	86.7	86.7	87.3	87.3
≥ 1500	32.7	65.3	71.3	78.7	82.0	83.3	85.3	87.3	87.3	87.3	87.3	88.0	88.0
≥ 1200	32.7	65.3	71.3	78.7	82.0	83.3	85.3	87.3	87.3	87.3	87.3	88.0	88.0
≥ 1000	32.7	65.3	72.7	80.0	83.3	84.7	86.7	88.7	88.7	88.7	88.7	89.3	89.3
≥ 900	32.7	65.3	73.3	80.7	84.0	85.3	87.3	89.3	89.3	89.3	89.3	90.0	90.0
≥ 800	32.7	65.3	74.0	81.3	85.3	87.3	89.3	91.3	91.3	91.3	91.3	92.0	92.0
≥ 700	32.7	65.3	74.0	81.3	86.0	88.0	90.0	92.0	92.0	92.0	92.0	92.7	92.7
≥ 600	32.7	65.3	74.0	81.3	86.0	88.0	90.7	92.7	92.7	92.7	92.7	93.3	93.3
≥ 500	32.7	65.3	74.0	81.3	86.0	88.7	92.0	94.7	94.7	94.7	94.7	95.3	95.3
≥ 400	32.7	66.0	74.7	82.7	87.3	90.0	93.3	96.7	96.7	96.7	96.7	97.3	97.3
≥ 300	32.7	66.0	74.7	82.7	87.3	90.0	93.3	96.7	96.7	96.7	96.7	97.3	97.3
≥ 200	32.7	66.0	74.7	82.7	87.3	90.0	93.3	96.7	96.7	96.7	96.7	97.3	97.3
≥ 100	32.7	66.0	74.7	82.7	87.3	90.0	93.3	96.7	96.7	96.7	96.7	97.3	97.3
≥ 0	32.7	66.0	74.7	82.7	87.3	90.0	93.3	96.7	96.7	96.7	96.7	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (157)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16
NO CEILING	20.3	38.2	40.8	42.0	43.8	44.2	45.8	46.9	47.1	47.6	48.2
≥ 20000	22.7	42.9	45.7	47.4	49.4	50.0	51.9	53.2	53.4	54.0	54.8
≥ 18000	22.8	43.0	45.8	47.5	49.4	50.1	51.9	53.3	53.5	54.1	54.9
≥ 16000	22.8	43.0	45.8	47.5	49.4	50.1	51.9	53.3	53.5	54.1	54.9
≥ 14000	22.8	43.2	46.0	47.7	49.7	50.4	52.2	53.6	53.8	54.4	55.2
≥ 12000	23.1	44.4	47.2	48.9	50.9	51.6	53.4	54.8	55.0	55.6	56.4
≥ 10000	23.8	46.9	49.8	51.6	53.7	54.4	56.3	57.7	58.0	58.5	59.4
≥ 9000	24.0	47.1	50.2	51.9	54.1	54.8	56.7	58.2	58.5	59.1	59.9
≥ 8000	25.5	50.8	54.1	56.0	58.2	59.1	61.1	62.7	63.0	63.5	64.4
≥ 7000	25.9	52.3	55.7	57.7	59.9	60.8	62.9	64.5	64.8	65.4	66.2
≥ 6000	25.9	52.3	55.7	57.7	59.9	60.8	62.9	64.5	64.8	65.4	66.2
≥ 5000	26.3	53.0	56.3	58.5	60.7	61.8	63.9	65.6	65.7	66.4	67.2
≥ 4500	26.9	54.8	58.2	60.6	63.1	64.1	66.2	67.9	68.0	68.8	69.6
≥ 4000	27.3	57.1	60.9	63.4	66.2	67.2	69.5	71.9	71.7	72.3	73.2
≥ 3500	28.2	59.0	63.0	65.7	68.4	69.5	71.9	73.6	74.0	74.6	75.5
≥ 3000	28.7	60.7	64.7	67.7	70.8	72.1	74.7	76.5	76.9	77.6	78.4
≥ 2500	29.8	63.6	67.6	70.7	73.9	75.4	78.1	80.0	80.5	81.1	81.9
≥ 2000	30.2	65.0	69.1	72.2	75.4	76.9	79.6	81.6	82.0	82.7	83.5
≥ 1800	30.2	65.3	69.4	72.5	75.7	77.1	79.9	81.9	82.3	83.0	83.8
≥ 1500	30.5	66.6	70.8	74.4	77.6	79.2	82.1	84.1	84.6	85.3	86.1
≥ 1200	30.7	67.2	71.6	75.2	78.4	80.1	83.1	85.1	85.7	86.3	87.1
≥ 1000	30.7	68.1	73.2	76.9	80.2	82.0	85.0	87.2	87.3	88.4	89.3
≥ 900	30.7	68.2	73.4	77.2	80.6	82.4	85.4	87.7	87.8	88.9	89.7
≥ 800	30.9	68.8	74.1	77.9	81.3	83.6	86.8	89.1	89.2	89.9	90.6
≥ 700	30.9	69.3	74.6	78.6	82.1	84.4	87.9	90.4	91.0	91.7	92.3
≥ 600	30.9	69.4	74.7	78.8	82.4	84.7	88.5	91.0	91.1	92.3	92.5
≥ 500	30.9	69.5	75.0	79.1	82.8	85.4	89.5	92.5	93.3	94.0	94.9
≥ 400	30.9	69.7	75.4	79.5	83.4	86.4	90.7	94.0	95.1	95.9	96.9
≥ 300	30.9	69.7	75.4	79.6	83.7	86.7	91.0	94.6	95.8	96.8	97.8
≥ 200	30.9	69.7	75.4	79.6	83.7	86.7	91.1	94.8	96.0	97.0	98.4
≥ 100	30.9	69.7	75.4	79.6	83.7	86.7	91.1	94.8	96.1	97.1	98.7
0	30.9	69.7	75.4	79.6	83.7	86.7	91.1	94.8	96.1	97.1	98.7

TOTAL NUMBER OF OBSERVATIONS

1080

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75

YEARS

01  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	29.0	53.8	54.8	54.8	54.8	55.9	58.1	61.3	61.3	62.4	63.4	63.4
≥ 20000	29.0	53.8	54.8	54.8	54.8	55.9	58.1	61.3	61.3	62.4	63.4	63.4
≥ 18000	29.0	53.8	54.8	54.8	54.8	55.9	58.1	61.3	61.3	62.4	63.4	63.4
≥ 16000	29.0	53.8	54.8	54.8	54.8	55.9	58.1	61.3	61.3	62.4	63.4	63.4
≥ 14000	29.0	53.8	54.8	54.8	54.8	55.9	58.1	61.3	61.3	62.4	63.4	63.4
≥ 12000	30.1	55.9	57.0	57.0	57.0	58.1	60.2	63.4	63.4	64.5	65.6	65.6
≥ 10000	31.2	61.3	62.4	62.4	62.4	64.5	66.7	69.9	69.9	71.0	72.0	72.0
≥ 9000	31.2	61.3	62.4	62.4	62.4	64.5	66.7	69.9	69.9	71.0	72.0	72.0
≥ 8000	32.3	63.4	65.6	65.6	65.6	67.7	69.9	72.0	72.0	73.1	74.2	74.2
≥ 7000	33.3	64.5	66.7	66.7	66.7	68.8	71.0	73.1	73.1	74.2	75.3	75.3
≥ 6000	33.3	64.5	66.7	66.7	66.7	68.8	71.0	73.1	73.1	74.2	75.3	75.3
≥ 5000	33.3	64.5	66.7	66.7	66.7	68.8	71.0	73.1	73.1	74.2	75.3	75.3
≥ 4500	33.3	64.5	66.7	66.7	66.7	68.8	71.0	73.1	73.1	74.2	75.3	75.3
≥ 4000	33.3	66.7	68.8	68.8	68.8	71.0	73.1	75.3	75.3	76.4	77.4	77.4
≥ 3500	33.3	66.7	69.9	69.9	69.9	73.1	75.3	77.4	77.4	78.5	79.6	79.6
≥ 3000	33.3	66.7	69.9	69.9	69.9	73.1	75.3	77.4	77.4	78.5	79.6	79.6
≥ 2500	33.3	68.8	72.0	72.0	72.0	75.3	77.4	79.6	79.6	80.7	81.7	81.7
≥ 2000	33.3	68.8	72.0	72.0	72.0	75.3	77.4	79.6	79.6	80.7	81.7	81.7
≥ 1800	33.3	68.8	72.0	72.0	72.0	75.3	77.4	79.6	79.6	80.7	81.7	81.7
≥ 1500	33.3	71.0	74.2	74.2	74.2	77.4	79.6	81.7	81.7	82.8	83.9	83.9
≥ 1200	33.3	72.0	75.3	75.3	75.3	78.5	80.7	82.8	82.8	83.9	85.0	85.0
≥ 1000	33.3	72.0	75.3	75.3	75.3	78.5	80.7	82.8	82.8	83.9	85.0	85.0
≥ 900	33.3	72.0	75.3	75.3	75.3	78.5	80.7	82.8	82.8	83.9	85.0	85.0
≥ 800	33.3	72.0	75.3	75.3	75.3	78.5	80.7	82.8	82.8	83.9	85.0	85.0
≥ 700	33.3	72.0	75.3	75.3	75.3	78.5	80.7	82.8	82.8	83.9	85.0	85.0
≥ 600	33.3	72.0	75.3	75.3	75.3	78.5	80.7	82.8	82.8	83.9	85.0	85.0
≥ 500	33.3	72.0	75.3	75.3	75.3	78.5	80.7	82.8	82.8	83.9	85.0	85.0
≥ 400	33.3	72.0	75.3	75.3	75.3	78.5	80.7	82.8	82.8	83.9	85.0	85.0
≥ 300	33.3	72.0	75.3	75.3	75.3	78.5	80.7	82.8	82.8	83.9	85.0	85.0
≥ 200	33.3	72.0	75.3	75.3	75.3	78.5	80.7	82.8	82.8	83.9	85.0	85.0
≥ 100	33.3	72.0	75.3	75.3	75.3	78.5	80.7	82.8	82.8	83.9	85.0	85.0
0	33.3	72.0	75.3	75.3	75.3	78.5	80.7	82.8	82.8	83.9	85.0	85.0

TOTAL NUMBER OF OBSERVATIONS

93



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75

YEARS

UCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼
NO CEILING	26.9	49.5	49.5	53.8	55.9	55.9	55.9	57.0	57.0	61.3	61.3	61.3	61.3
≥ 20000	29.0	51.6	52.7	57.0	59.1	59.1	59.1	60.2	60.2	64.5	64.5	64.5	64.5
≥ 18000	29.0	51.6	52.7	57.0	59.1	59.1	59.1	60.2	60.2	64.5	64.5	64.5	64.5
≥ 16000	29.0	51.6	52.7	57.0	59.1	59.1	59.1	60.2	60.2	64.5	64.5	64.5	64.5
≥ 14000	29.0	51.6	52.7	57.0	59.1	59.1	59.1	60.2	60.2	64.5	64.5	64.5	64.5
≥ 12000	29.0	52.7	54.8	59.1	61.3	61.3	61.3	62.4	62.4	66.7	66.7	66.7	66.7
≥ 10000	29.0	55.9	58.1	62.4	64.5	64.5	64.5	65.6	65.6	69.9	69.9	69.9	69.9
≥ 9000	29.0	57.0	59.1	63.4	65.6	65.6	65.6	66.7	66.7	71.0	71.0	71.0	71.0
≥ 8000	30.1	61.3	63.4	67.7	69.9	69.9	69.9	71.0	71.0	75.3	75.3	75.3	75.3
≥ 7000	30.1	61.3	63.4	67.7	69.9	69.9	69.9	71.0	71.0	75.3	75.3	75.3	75.3
≥ 6000	30.1	61.3	64.5	68.8	71.0	71.0	71.0	72.0	72.0	76.3	76.3	76.3	76.3
≥ 5000	30.1	61.3	64.5	68.8	71.0	71.0	71.0	72.0	72.0	76.3	76.3	76.3	76.3
≥ 4500	30.1	61.3	64.5	68.8	71.0	71.0	71.0	72.0	72.0	76.3	76.3	76.3	76.3
≥ 4000	30.1	62.4	65.6	71.0	73.1	73.1	73.1	74.2	74.2	78.5	78.5	78.5	78.5
≥ 3500	30.1	62.4	65.6	71.0	73.1	73.1	73.1	74.2	74.2	78.5	78.5	78.5	78.5
≥ 3000	30.1	62.4	65.6	71.0	73.1	73.1	73.1	74.2	74.2	78.5	78.5	78.5	78.5
≥ 2500	30.1	64.5	67.7	73.1	75.3	75.3	75.3	76.3	76.3	79.6	79.6	79.6	79.6
≥ 2000	30.1	67.7	71.0	76.3	78.5	78.5	78.5	79.6	79.6	80.7	80.7	80.7	80.7
≥ 1800	30.1	67.7	71.0	76.3	78.5	78.5	78.5	79.6	79.6	80.7	80.7	80.7	80.7
≥ 1500	30.1	67.7	72.0	77.4	79.6	79.6	79.6	80.7	80.7	81.7	81.7	81.7	81.7
≥ 1200	30.1	67.7	73.1	78.5	80.7	80.7	80.7	81.7	81.7	82.8	82.8	82.8	82.8
≥ 1000	30.1	67.7	73.1	78.5	80.7	80.7	80.7	81.7	81.7	82.8	82.8	82.8	82.8
≥ 900	30.1	67.7	73.1	78.5	80.7	80.7	80.7	81.7	81.7	82.8	82.8	82.8	82.8
≥ 800	30.1	67.7	73.1	78.5	80.7	80.7	80.7	81.7	81.7	82.8	82.8	82.8	82.8
≥ 700	30.1	67.7	73.1	78.5	80.7	80.7	80.7	81.7	81.7	82.8	82.8	82.8	82.8
≥ 600	30.1	67.7	73.1	78.5	80.7	80.7	80.7	81.7	81.7	82.8	82.8	82.8	82.8
≥ 500	30.1	67.7	73.1	78.5	80.7	80.7	80.7	81.7	81.7	82.8	82.8	82.8	82.8
≥ 400	30.1	67.7	73.1	78.5	80.7	80.7	80.7	81.7	81.7	82.8	82.8	82.8	82.8
≥ 300	30.1	67.7	73.1	78.5	80.7	80.7	80.7	81.7	81.7	82.8	82.8	82.8	82.8
≥ 200	30.1	67.7	73.1	78.5	80.7	80.7	80.7	81.7	81.7	82.8	82.8	82.8	82.8
≥ 100	30.1	67.7	73.1	78.5	80.7	80.7	80.7	81.7	81.7	82.8	82.8	82.8	82.8
0	30.1	67.7	73.1	78.5	80.7	80.7	80.7	81.7	81.7	82.8	82.8	82.8	82.8

TOTAL NUMBER OF OBSERVATIONS

93

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

007  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	11.7	36.4	40.9	42.2	44.8	46.1	46.8	48.1	48.1	49.4	49.4	49.4	50.0
≥ 20000	12.3	38.3	42.9	44.8	47.4	48.7	49.4	50.7	50.7	52.0	52.0	52.0	52.6
≥ 18000	12.3	38.3	42.9	44.8	47.4	48.7	49.4	50.7	50.7	52.0	52.0	52.0	52.6
≥ 16000	12.3	38.3	42.9	44.8	47.4	48.7	49.4	50.7	50.7	52.0	52.0	52.0	52.6
≥ 14000	12.3	38.3	42.9	44.8	47.4	48.7	49.4	50.7	50.7	52.0	52.0	52.0	52.6
≥ 12000	12.3	39.0	43.5	45.5	48.1	49.4	50.0	51.3	51.3	52.6	52.6	52.6	53.3
≥ 10000	13.0	42.2	47.4	49.4	52.6	53.9	55.2	56.5	56.5	57.8	57.8	57.8	58.4
≥ 9000	13.0	42.2	47.4	49.4	52.6	53.9	55.2	56.5	56.5	57.8	57.8	57.8	58.4
≥ 8000	15.6	46.1	51.3	53.3	56.5	57.8	59.7	61.0	61.0	63.6	63.6	63.6	64.9
≥ 7000	16.2	48.7	53.9	55.8	59.1	60.4	62.3	63.6	63.6	65.6	65.6	65.6	66.2
≥ 6000	16.2	48.7	53.9	55.8	59.1	60.4	62.3	63.6	63.6	65.6	65.6	65.6	66.2
≥ 5000	16.2	49.4	55.2	57.1	60.4	61.7	63.6	64.9	64.9	68.8	68.8	68.8	69.5
≥ 4500	16.9	52.0	57.8	59.7	63.0	64.3	66.2	67.5	67.5	70.8	71.4	71.4	72.7
≥ 4000	17.5	53.9	60.4	62.3	65.6	66.9	69.5	70.8	70.8	74.0	74.7	74.7	75.3
≥ 3500	18.8	55.2	61.7	63.6	66.9	68.2	70.8	72.1	72.1	75.3	76.0	76.0	77.3
≥ 3000	18.8	55.2	61.7	63.6	66.9	68.2	70.8	72.1	72.1	75.3	76.0	76.0	77.3
≥ 2500	19.5	55.8	62.3	64.3	67.5	68.8	71.4	72.7	72.7	76.0	76.6	76.6	77.9
≥ 2000	19.5	56.5	63.6	65.6	68.8	70.1	72.7	74.0	74.0	77.3	77.9	77.9	79.2
≥ 1800	19.5	56.5	63.6	65.6	68.8	70.1	72.7	74.0	74.0	77.3	77.9	77.9	79.2
≥ 1500	19.5	56.5	63.6	65.6	68.8	70.1	73.4	74.7	74.7	77.9	78.6	78.6	79.9
≥ 1200	19.5	56.5	63.6	65.6	68.8	70.1	74.0	75.3	75.3	78.6	79.2	79.2	80.5
≥ 1000	19.5	57.1	64.9	66.9	70.1	71.4	75.3	76.6	76.6	79.9	80.5	80.5	81.8
≥ 900	19.5	57.1	64.9	66.9	70.1	72.1	76.6	77.9	77.9	81.2	81.8	81.8	83.1
≥ 800	19.5	59.1	66.9	68.8	72.7	74.0	78.6	79.9	79.9	83.1	83.8	83.8	85.1
≥ 700	19.5	59.1	66.9	68.8	72.7	74.0	78.6	79.9	79.9	83.1	83.8	83.8	85.1
≥ 600	19.5	59.1	67.5	70.1	74.0	75.3	81.8	83.1	83.1	86.4	87.0	87.0	88.3
≥ 500	19.5	59.1	67.5	70.1	74.0	75.3	82.5	83.8	83.8	87.0	88.3	88.3	89.6
≥ 400	19.5	59.1	67.5	70.1	74.7	76.6	84.4	86.4	86.4	89.6	90.9	90.9	92.2
≥ 300	19.5	59.1	67.5	70.1	74.7	77.3	85.1	87.7	87.7	90.9	92.2	92.2	93.5
≥ 200	19.5	59.1	67.5	70.1	74.7	77.3	85.1	87.7	87.7	91.6	92.9	92.9	94.8
≥ 100	19.5	59.1	67.5	70.1	74.7	77.3	85.1	87.7	87.7	91.6	92.9	92.9	94.8
0	19.5	59.1	67.5	70.1	74.7	77.3	85.1	87.7	87.7	91.6	92.9	92.9	94.8

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

DOY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	21.3	46.5	47.7	50.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 20000	22.6	51.0	53.6	56.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 18000	22.6	51.0	53.6	56.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 16000	22.6	51.0	53.6	56.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000	22.6	51.0	53.6	56.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 12000	23.2	52.9	55.5	58.1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000	23.9	55.5	58.1	61.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 9000	23.9	55.5	58.1	61.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 8000	25.2	58.1	61.9	64.9	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 7000	25.8	58.7	62.6	65.2	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 6000	27.1	60.0	63.9	66.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 5000	27.1	60.7	64.5	67.1	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4500	27.7	63.9	67.7	70.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4000	27.7	65.2	69.0	71.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3500	27.7	65.2	69.0	71.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3000	30.3	69.0	72.9	75.5	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2500	32.3	72.3	76.1	78.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	32.9	74.2	78.1	80.7	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1800	32.9	74.2	78.1	80.7	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1500	32.9	75.5	80.0	82.6	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1200	33.6	76.1	80.7	83.2	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1000	33.6	76.8	81.9	84.5	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900	33.6	76.8	81.9	84.5	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 800	33.6	78.1	83.2	85.8	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 700	33.6	78.1	83.2	85.8	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 600	33.6	78.1	83.2	85.8	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 500	33.6	78.1	83.2	85.8	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 400	33.6	78.1	83.2	85.8	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 300	33.6	78.7	84.5	88.4	92.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 200	33.6	78.7	84.5	88.4	92.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 100	33.6	78.7	84.5	88.4	92.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 0	33.6	78.7	84.5	88.4	92.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

0CT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	25.2	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000	29.0	54.8	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000	29.0	54.8	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 16000	29.0	54.8	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 14000	29.0	54.8	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000	29.0	54.8	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 10000	30.3	57.4	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 9000	30.3	57.4	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 8000	32.9	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 7000	33.6	61.3	61.9	62.6	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 6000	34.2	61.9	62.6	63.2	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 5000	34.8	63.2	63.9	64.5	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4500	35.5	65.2	65.9	66.5	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 4000	38.1	68.4	69.0	69.7	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3500	43.2	74.8	75.5	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3000	47.1	81.3	81.9	82.6	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500	48.4	83.9	84.5	85.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2000	48.4	84.5	86.5	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1800	48.4	84.5	86.5	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1500	49.0	85.8	87.7	89.0	89.7	89.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1200	49.7	87.7	89.7	91.6	92.3	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1000	49.7	87.7	89.7	91.6	92.3	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900	49.7	87.7	89.7	91.6	92.3	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6
≥ 800	49.7	89.0	91.0	93.6	94.2	94.2	94.8	95.5	95.5	95.5	95.5	95.5	95.5
≥ 700	49.7	89.0	91.0	93.6	94.8	94.8	95.5	96.1	96.1	96.1	96.1	96.1	96.1
≥ 600	49.7	89.7	91.6	94.2	95.5	95.5	96.1	96.8	96.8	97.4	97.4	97.4	97.4
≥ 500	49.7	89.7	91.6	94.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 400	49.7	89.7	91.6	94.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 300	49.7	89.7	91.6	94.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 200	49.7	89.7	91.6	94.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 100	49.7	89.7	91.6	94.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 0	49.7	89.7	91.6	94.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION  
14780

STATION NAME  
LAKEHURST, NEW JERSEY

73-77

YEARS

UCT

MONTH

16

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	29.0	51.6	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 20000	32.3	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000	32.3	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 16000	32.9	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	32.9	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 12000	33.6	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 10000	34.2	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 9000	34.2	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 8000	37.4	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 7000	38.1	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 6000	38.1	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 5000	39.4	72.3	72.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4500	40.7	75.5	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4000	43.9	79.4	79.4	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3500	46.5	82.6	82.6	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000	47.1	84.5	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2500	47.1	85.8	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2000	47.7	86.5	86.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1800	47.7	86.5	86.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1500	47.7	87.7	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1200	47.7	89.0	89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1000	47.7	89.7	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 900	48.4	90.3	90.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 800	48.4	90.3	90.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 700	48.4	91.6	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 600	48.4	91.6	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	48.4	91.6	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 400	48.4	91.6	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 300	48.4	91.6	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 200	48.4	91.6	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 100	48.4	91.6	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 0	48.4	91.6	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

OCT  
MONTH

19

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	29.0	52.9	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000	29.7	58.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000	29.7	58.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000	29.7	58.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	29.7	58.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 12000	30.3	59.4	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000	30.3	61.3	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 9000	30.3	61.3	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 8000	32.9	67.1	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 7000	32.9	68.4	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 6000	33.6	69.0	71.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 5000	34.8	71.6	73.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4500	36.1	74.2	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4000	36.8	76.8	78.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500	38.1	79.4	81.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000	38.7	81.3	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2500	39.4	82.6	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2000	39.4	83.2	86.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1800	39.4	83.9	87.1	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1500	39.4	85.8	89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1200	39.4	86.5	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1000	39.4	86.5	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 900	39.4	86.5	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 800	39.4	86.5	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 700	39.4	87.7	91.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 600	39.4	87.7	91.0	93.6	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 500	39.4	87.7	91.0	93.6	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 400	39.4	87.7	91.0	93.6	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 300	39.4	87.7	91.0	94.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200	39.4	87.7	91.0	94.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	39.4	87.7	91.0	94.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0	39.4	87.7	91.0	94.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

UCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (LST.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	32.3	52.9	54.2	56.1	59.4	59.4	60.0	60.0	60.0	60.0	60.0	60.7	60.7	60.7
≥ 20000	32.9	58.7	60.0	61.9	65.2	65.2	65.8	65.8	65.8	65.8	65.8	66.5	66.5	66.5
≥ 18000	32.9	58.7	60.0	61.9	65.2	65.2	65.8	65.8	65.8	65.8	65.8	66.5	66.5	66.5
≥ 16000	32.9	58.7	60.0	61.9	65.2	65.2	65.8	65.8	65.8	65.8	65.8	66.5	66.5	66.5
≥ 14000	32.9	58.7	60.0	61.9	65.2	65.2	65.8	65.8	65.8	65.8	65.8	66.5	66.5	66.5
≥ 12000	34.2	61.9	63.2	65.2	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.7	69.7	69.7
≥ 10000	35.5	64.5	65.8	67.7	71.0	71.0	71.6	71.6	71.6	71.6	71.6	72.3	72.3	72.3
≥ 9000	36.1	65.2	66.5	68.4	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.9	72.9	72.9
≥ 8000	37.4	69.7	71.0	72.9	76.1	76.1	76.8	76.8	76.8	76.8	76.8	77.4	77.4	77.4
≥ 7000	37.4	69.7	71.0	72.9	76.1	76.1	76.8	76.8	76.8	76.8	76.8	77.4	77.4	77.4
≥ 6000	37.4	70.3	71.6	73.6	76.8	76.8	77.4	77.4	77.4	77.4	77.4	78.1	78.1	78.1
≥ 5000	37.4	71.6	72.9	74.8	78.1	78.1	78.7	78.7	78.7	78.7	78.7	79.4	79.4	79.4
≥ 4500	38.1	73.6	74.8	76.8	80.0	80.0	80.7	80.7	80.7	80.7	80.7	81.3	81.3	81.3
≥ 4000	38.1	73.6	75.5	77.4	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.9	81.9	81.9
≥ 3500	39.4	75.5	77.4	79.4	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.9	83.9	83.9
≥ 3000	39.4	75.5	77.4	79.4	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.9	83.9	83.9
≥ 2500	39.4	76.8	78.7	80.7	83.9	83.9	84.5	84.5	84.5	84.5	84.5	85.2	85.2	85.2
≥ 2000	39.4	77.4	79.4	81.3	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.8	85.8	85.8
≥ 1800	39.4	77.4	79.4	81.3	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.8	85.8	85.8
≥ 1500	39.4	77.4	80.0	82.6	85.8	85.8	86.5	86.5	86.5	86.5	86.5	87.1	87.1	87.1
≥ 1200	39.4	77.4	80.7	83.2	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.7	87.7	87.7
≥ 1000	39.4	78.1	81.3	83.9	87.1	87.1	87.7	87.7	87.7	87.7	87.7	88.4	88.4	88.4
≥ 900	39.4	78.1	81.9	84.5	87.7	87.7	88.4	88.4	88.4	88.4	88.4	89.0	89.0	89.0
≥ 800	39.4	78.1	81.9	84.5	87.7	87.7	88.4	88.4	88.4	88.4	88.4	89.0	89.0	89.0
≥ 700	39.4	78.7	82.6	85.2	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.7	89.7	89.7
≥ 600	39.4	78.7	82.6	85.2	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.7	89.7	89.7
≥ 500	39.4	78.7	82.6	86.5	90.3	90.3	91.0	91.0	91.0	91.0	91.0	92.3	92.3	92.3
≥ 400	39.4	78.7	83.2	87.1	91.6	91.6	92.3	92.3	92.3	92.3	92.3	93.6	93.6	93.6
≥ 300	39.4	78.7	83.2	87.1	91.6	91.6	92.3	92.3	92.3	92.3	92.3	93.6	93.6	93.6
≥ 200	39.4	78.7	83.2	87.1	91.6	91.6	92.3	92.3	92.3	92.3	92.3	93.6	93.6	93.6
≥ 100	39.4	78.7	83.2	87.1	91.6	91.6	92.3	92.3	92.3	92.3	92.3	93.6	93.6	93.6
≥ 0	39.4	78.7	83.2	87.1	91.6	91.6	92.3	92.3	92.3	92.3	92.3	93.6	93.6	93.6

TOTAL NUMBER OF OBSERVATIONS

153

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780 STATION 14780 LAKEHURST, NEW JERSEY 73-77 YEARS OCT NORTH ALL HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	25.3	48.7	50.0	51.4	52.7	52.9	53.3	53.8	53.8	54.4	54.5	54.5	54.7	55.2
≥ 20000	26.9	53.5	55.2	56.7	57.9	58.2	58.6	59.1	59.1	59.7	59.8	59.8	60.0	60.5
≥ 18000	26.9	53.5	55.2	56.7	57.9	58.2	58.6	59.1	59.1	59.7	59.8	59.8	60.0	60.5
≥ 16000	27.0	53.5	55.3	56.8	58.0	58.3	58.7	59.2	59.2	59.8	59.9	59.9	60.1	60.5
≥ 14000	27.0	53.6	55.3	56.9	58.1	58.4	58.7	59.3	59.3	59.9	60.0	60.0	60.2	60.5
≥ 12000	27.5	54.9	56.7	58.2	59.5	59.7	60.1	60.6	60.6	61.3	61.4	61.4	61.5	62.0
≥ 10000	28.3	57.6	59.6	61.1	62.5	62.8	63.2	63.8	63.8	64.4	64.5	64.5	64.7	65.2
≥ 9000	28.3	57.8	59.7	61.3	62.7	63.0	63.4	64.0	64.0	64.6	64.7	64.7	64.9	65.4
≥ 8000	30.4	61.7	63.9	65.5	67.0	67.4	67.9	68.4	68.4	69.2	69.3	69.3	69.6	70.2
≥ 7000	30.9	62.8	64.9	66.6	68.1	68.4	69.1	69.6	69.6	70.3	70.5	70.5	70.8	71.4
≥ 6000	31.2	63.2	65.5	67.2	68.7	69.1	69.7	70.2	70.2	71.0	71.2	71.2	71.5	72.1
≥ 5000	31.7	64.5	66.8	68.5	70.1	70.5	71.1	71.7	71.7	72.7	72.8	72.8	73.1	73.7
≥ 4500	32.4	66.6	69.0	70.7	72.3	72.7	73.3	73.8	73.8	74.8	75.0	75.0	75.3	75.9
≥ 4000	33.4	68.7	71.2	73.2	74.8	75.2	75.9	76.4	76.4	77.4	77.6	77.6	77.9	78.5
≥ 3500	35.0	70.9	73.5	75.5	77.2	77.6	78.4	78.9	78.9	79.9	80.1	80.1	80.4	81.0
≥ 3000	36.1	72.8	75.6	77.6	79.3	79.6	80.5	81.0	81.0	82.0	82.2	82.2	82.4	83.1
≥ 2500	36.7	74.6	77.4	79.4	81.1	81.4	82.2	82.8	82.8	83.8	84.0	84.0	84.2	84.8
≥ 2000	36.9	75.6	78.7	80.6	82.3	82.9	83.7	84.2	84.2	85.2	85.4	85.4	85.7	86.3
≥ 1800	36.9	75.7	78.7	80.7	82.4	83.0	83.8	84.3	84.3	85.3	85.5	85.5	85.7	86.4
≥ 1500	37.0	76.7	80.0	82.2	84.1	84.7	85.6	86.2	86.2	87.2	87.4	87.4	87.6	88.3
≥ 1200	37.1	77.4	80.9	83.1	85.1	85.7	86.7	87.4	87.4	88.3	88.5	88.5	88.8	89.4
≥ 1000	37.1	77.8	81.4	83.9	85.8	86.5	87.4	88.1	88.1	89.1	89.2	89.2	89.5	90.1
≥ 900	37.2	77.9	81.6	84.0	86.1	86.7	87.8	88.7	88.7	89.7	89.9	89.9	90.1	90.8
≥ 800	37.2	78.5	82.2	84.8	86.9	87.7	88.9	89.8	89.8	90.8	90.9	90.9	91.2	91.8
≥ 700	37.2	78.9	82.7	85.3	87.7	88.5	89.8	90.8	90.8	91.8	91.9	91.9	92.2	92.8
≥ 600	37.2	79.0	82.9	85.7	88.3	89.3	90.8	91.8	91.8	92.7	93.0	93.0	93.3	93.9
≥ 500	37.2	79.0	83.1	86.2	89.2	90.3	92.1	93.5	93.5	94.4	94.9	94.9	95.2	95.8
≥ 400	37.2	79.0	83.1	86.3	89.4	90.7	92.6	94.2	94.2	95.2	95.6	95.6	95.9	96.5
≥ 300	37.2	79.1	83.2	86.6	89.8	91.2	93.2	95.0	95.0	96.1	96.7	96.7	97.0	97.6
≥ 200	37.2	79.1	83.2	86.6	89.9	91.3	93.4	95.3	95.3	96.6	97.4	97.4	97.8	98.5
≥ 100	37.2	79.1	83.2	86.6	89.9	91.3	93.4	95.3	95.3	96.6	97.4	97.4	97.9	98.9
≥ 0	37.2	79.1	83.2	86.6	89.9	91.3	93.4	95.3	95.3	96.6	97.4	97.4	97.9	98.9

TOTAL NUMBER OF OBSERVATIONS 1115



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75

YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	24.4	47.8	48.9	48.9	48.9	48.9	48.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 20000	26.7	52.2	53.3	53.3	53.3	53.3	53.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 18000	26.7	52.2	53.3	53.3	53.3	53.3	53.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 16000	26.7	52.2	53.3	53.3	53.3	53.3	53.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 14000	26.7	52.2	53.3	53.3	53.3	53.3	53.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 12000	26.7	52.2	53.3	53.3	53.3	53.3	53.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 10000	28.9	58.9	60.0	60.0	61.1	61.1	61.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 9000	28.9	58.9	60.0	60.0	61.1	61.1	61.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 8000	31.1	64.4	65.6	65.6	66.7	66.7	66.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 7000	32.2	67.8	68.9	68.9	70.0	70.0	70.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 6000	32.2	67.8	68.9	68.9	70.0	70.0	70.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 5000	34.4	70.0	71.1	71.1	72.2	72.2	72.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 4500	37.8	74.4	75.6	75.6	77.8	77.8	77.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	38.9	76.7	77.8	77.8	80.0	80.0	80.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 3500	41.1	80.0	81.1	81.1	83.3	83.3	83.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 3000	41.1	80.0	81.1	81.1	83.3	83.3	83.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 2500	41.1	80.0	81.1	81.1	83.3	83.3	83.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 2000	42.2	83.3	84.4	84.4	87.8	87.8	87.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1800	42.2	83.3	84.4	84.4	87.8	87.8	87.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500	42.2	83.3	84.4	84.4	87.8	87.8	87.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1200	42.2	83.3	84.4	84.4	87.8	87.8	87.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1000	42.2	83.3	84.4	84.4	87.8	87.8	87.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 900	42.2	83.3	84.4	84.4	87.8	87.8	87.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 800	42.2	83.3	84.4	84.4	87.8	87.8	87.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 700	42.2	83.3	85.6	85.6	88.9	88.9	88.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 600	42.2	83.3	85.6	85.6	88.9	88.9	88.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 500	42.2	85.6	87.8	87.8	91.1	91.1	91.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 400	42.2	85.6	87.8	87.8	91.1	91.1	91.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 300	42.2	85.6	87.8	87.8	91.1	91.1	91.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 200	42.2	85.6	87.8	87.8	91.1	91.1	91.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 100	42.2	85.6	87.8	87.8	91.1	91.1	91.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3
0	42.2	85.6	87.8	87.8	91.1	91.1	91.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3

TOTAL NUMBER OF OBSERVATIONS

90

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75

YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	21.1	55.6	56.7	57.8	60.0	60.0	60.0	60.0	60.0	60.0	61.1	61.1	61.1
≥ 20000	21.1	56.7	57.8	58.9	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
≥ 18000	21.1	56.7	57.8	58.9	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
≥ 16000	21.1	56.7	57.8	58.9	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
≥ 14000	21.1	56.7	57.8	58.9	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
≥ 12000	21.1	56.7	58.9	60.0	62.2	62.2	62.2	62.2	62.2	62.2	63.3	63.3	63.3
≥ 10000	22.2	60.0	62.2	63.3	65.6	65.6	65.6	65.6	65.6	65.6	66.7	66.7	66.7
≥ 9000	22.2	60.0	62.2	63.3	65.6	65.6	65.6	65.6	65.6	65.6	66.7	66.7	66.7
≥ 8000	26.7	66.7	70.0	71.1	73.3	73.3	73.3	73.3	73.3	73.3	74.4	74.4	74.4
≥ 7000	26.7	66.7	70.0	71.1	73.3	73.3	73.3	73.3	73.3	73.3	74.4	74.4	74.4
≥ 6000	26.7	66.7	70.0	71.1	73.3	73.3	73.3	73.3	73.3	73.3	74.4	74.4	74.4
≥ 5000	26.7	68.9	72.2	73.3	75.6	75.6	75.6	75.6	75.6	75.6	76.7	76.7	76.7
≥ 4500	26.7	71.1	74.4	75.6	77.8	77.8	77.8	77.8	77.8	77.8	78.9	78.9	78.9
≥ 4000	26.7	72.2	75.6	76.7	78.9	78.9	78.9	78.9	78.9	78.9	80.0	80.0	80.0
≥ 3500	27.8	74.4	78.9	80.0	82.2	82.2	82.2	82.2	82.2	82.2	83.3	83.3	83.3
≥ 3000	28.9	75.6	80.0	81.1	83.3	83.3	83.3	83.3	83.3	83.3	84.4	84.4	84.4
≥ 2500	28.9	75.6	80.0	81.1	83.3	83.3	83.3	83.3	83.3	83.3	84.4	84.4	84.4
≥ 2000	30.0	77.8	82.2	83.3	85.6	85.6	85.6	85.6	85.6	85.6	86.7	86.7	86.7
≥ 1800	30.0	77.8	82.2	83.3	85.6	85.6	85.6	85.6	85.6	85.6	86.7	86.7	86.7
≥ 1500	30.0	78.9	83.3	84.4	86.7	86.7	86.7	86.7	86.7	86.7	87.8	87.8	87.8
≥ 1200	30.0	78.9	84.4	85.6	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9	88.9
≥ 1000	30.0	78.9	84.4	85.6	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9	88.9
≥ 900	30.0	78.9	84.4	85.6	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9	88.9
≥ 800	30.0	78.9	84.4	85.6	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9	88.9
≥ 700	30.0	78.9	84.4	85.6	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9	88.9
≥ 600	30.0	78.9	84.4	85.6	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9	88.9
≥ 500	30.0	78.9	84.4	85.6	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9	88.9
≥ 400	30.0	78.9	84.4	85.6	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9	88.9
≥ 300	30.0	78.9	84.4	85.6	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9	88.9
≥ 200	30.0	78.9	84.4	85.6	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9	88.9
≥ 100	30.0	78.9	84.4	85.6	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9	88.9
≥ 0	30.0	78.9	84.4	85.6	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9	88.9

TOTAL NUMBER OF OBSERVATIONS

90

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	17.3	39.3	41.3	42.0	44.7	44.7	46.0	46.7	46.7	47.3	47.3	48.0	48.0	48.0
≥ 20000	18.7	44.0	46.0	46.7	49.3	49.3	50.7	51.3	51.3	52.0	52.0	52.7	52.7	52.7
≥ 18000	18.7	44.0	46.0	46.7	49.3	49.3	50.7	51.3	51.3	52.0	52.0	52.7	52.7	52.7
≥ 16000	18.7	44.0	46.0	46.7	49.3	49.3	50.7	51.3	51.3	52.0	52.0	52.7	52.7	52.7
≥ 14000	18.7	44.0	46.0	46.7	49.3	49.3	50.7	51.3	51.3	52.0	52.0	52.7	52.7	52.7
≥ 12000	18.7	46.0	48.0	48.7	51.3	51.3	52.7	53.3	53.3	54.0	54.0	54.7	54.7	55.3
≥ 10000	20.7	50.0	52.0	52.7	55.3	55.3	56.7	57.3	57.3	58.0	58.0	58.7	58.7	59.3
≥ 9000	20.7	50.7	52.7	53.3	56.0	56.0	57.3	58.0	58.0	58.7	58.7	59.3	59.3	60.0
≥ 8000	22.7	56.0	58.7	59.3	62.7	62.7	64.0	64.7	64.7	65.3	65.3	66.0	66.0	66.7
≥ 7000	24.7	58.7	61.3	62.7	66.0	66.0	67.3	68.0	68.0	68.7	68.7	69.3	69.3	70.0
≥ 6000	24.7	58.7	61.3	62.7	66.0	66.0	67.3	68.0	68.0	68.7	68.7	69.3	69.3	70.0
≥ 5000	24.7	60.0	62.7	64.0	67.3	67.3	68.7	69.3	69.3	70.0	70.0	70.7	70.7	71.3
≥ 4500	25.3	62.7	65.3	66.7	70.0	70.0	71.3	72.0	72.0	72.7	72.7	73.3	73.3	74.0
≥ 4000	25.3	64.0	67.3	68.7	72.0	72.0	73.3	74.0	74.0	74.7	74.7	75.3	75.3	76.0
≥ 3500	25.3	64.0	68.0	69.3	72.7	72.7	74.0	74.7	74.7	75.3	75.3	76.0	76.0	76.7
≥ 3000	25.3	64.7	69.3	70.7	74.7	74.7	76.0	76.7	76.7	77.3	77.3	78.0	78.0	78.7
≥ 2500	25.3	65.3	70.0	71.3	75.3	75.3	76.7	77.3	77.3	78.0	78.0	78.7	78.7	79.3
≥ 2000	25.3	66.7	71.3	73.3	78.0	78.0	79.3	80.0	80.0	80.7	80.7	81.3	81.3	82.0
≥ 1800	26.0	67.3	72.0	74.0	78.7	78.7	80.0	80.7	80.7	81.3	81.3	82.0	82.0	82.7
≥ 1500	26.0	68.0	72.7	74.7	79.3	79.3	80.7	81.3	81.3	82.0	82.0	83.3	83.3	84.0
≥ 1200	26.0	68.0	72.7	74.7	79.3	79.3	80.7	81.3	81.3	82.0	82.0	83.3	83.3	84.0
≥ 1000	26.0	68.0	73.3	76.0	81.3	81.3	82.7	83.3	83.3	84.0	84.0	85.3	85.3	86.0
≥ 900	26.0	68.0	73.3	76.0	81.3	81.3	82.7	83.3	83.3	84.0	84.0	85.3	85.3	86.0
≥ 800	26.0	68.0	73.3	76.0	81.3	81.3	82.7	83.3	83.3	84.0	84.0	85.3	85.3	86.0
≥ 700	26.0	68.7	74.0	76.7	82.0	82.0	83.3	84.0	84.0	84.7	84.7	86.0	86.0	86.7
≥ 600	26.0	68.7	74.7	77.3	82.7	82.7	84.0	84.7	84.7	85.3	85.3	86.7	86.7	87.3
≥ 500	26.0	68.7	74.7	77.3	82.7	82.7	84.0	84.7	84.7	85.3	85.3	86.7	86.7	87.3
≥ 400	26.0	68.7	74.7	78.7	84.0	84.0	86.0	86.0	86.0	87.3	87.3	88.7	88.7	89.3
≥ 300	26.0	68.7	74.7	79.3	84.7	84.7	86.7	86.7	86.7	89.3	89.3	90.7	90.7	91.3
≥ 200	26.0	68.7	74.7	79.3	84.7	84.7	86.7	86.7	86.7	91.3	91.3	93.3	93.3	94.0
≥ 100	26.0	68.7	74.7	79.3	84.7	84.7	86.7	86.7	86.7	92.0	92.0	95.3	95.3	96.0
≥ 0	26.0	68.7	74.7	79.3	84.7	84.7	86.7	86.7	86.7	92.0	92.0	96.0	96.0	96.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	28.7	48.0	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 20000	29.3	50.7	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 18000	29.3	50.7	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 16000	29.3	50.7	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 14000	29.3	50.7	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 12000	29.3	52.0	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 10000	30.0	54.7	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000	30.7	56.7	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 8000	33.3	61.3	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 7000	34.7	63.3	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 6000	34.7	63.3	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 5000	35.3	67.3	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4500	35.3	69.3	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4000	36.0	71.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3500	36.0	71.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3000	36.7	72.7	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500	37.3	74.0	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	37.3	74.0	80.0	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1800	37.3	74.0	80.0	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1500	37.3	76.7	82.7	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1200	37.3	77.3	83.3	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1000	37.3	78.0	84.0	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 900	37.3	79.3	85.3	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 800	37.3	79.3	86.0	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 700	37.3	79.3	86.7	88.0	89.3	90.0	91.3	91.3	91.3	91.3	91.3	91.3
≥ 600	37.3	79.3	86.7	88.0	90.0	90.7	92.0	92.0	92.0	92.0	92.0	92.0
≥ 500	37.3	79.3	86.7	88.0	90.0	90.7	92.7	93.3	93.3	93.3	93.3	93.3
≥ 400	37.3	79.3	86.7	88.0	90.0	90.7	93.3	94.7	94.7	94.7	94.7	94.7
≥ 300	37.3	79.3	86.7	88.0	90.0	90.7	93.3	96.0	96.0	97.3	97.3	97.3
≥ 200	37.3	79.3	86.7	88.0	90.0	90.7	93.3	96.7	96.7	98.7	99.3	99.3
≥ 100	37.3	79.3	86.7	88.0	90.0	90.7	93.3	96.7	96.7	98.7	99.3	99.3
0	37.3	79.3	86.7	88.0	90.0	90.7	93.3	96.7	96.7	98.7	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

7.3-77

YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	26.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 20000	30.0	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 18000	30.0	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 16000	30.0	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 14000	30.0	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 12000	30.0	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 10000	30.0	54.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 9000	30.0	54.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 8000	32.0	59.3	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 7000	34.0	61.3	62.7	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 6000	34.0	61.3	62.7	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 5000	34.7	63.3	64.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4500	35.3	64.7	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4000	36.0	66.0	69.3	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 3500	40.7	72.7	74.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3000	43.3	77.3	78.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 2500	44.0	79.3	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	44.7	80.0	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1800	44.7	80.7	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1500	45.3	82.7	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1200	45.3	84.0	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1000	45.3	85.3	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 900	45.3	85.3	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 800	45.3	85.3	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 700	45.3	86.0	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 600	45.3	86.0	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 500	45.3	86.7	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 400	45.3	86.7	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 300	45.3	86.7	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 200	45.3	86.7	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 100	45.3	86.7	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
0	45.3	86.7	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	30.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 20000	32.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 18000	32.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 16000	32.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 14000	32.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 12000	32.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 10000	33.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 9000	33.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 8000	36.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 7000	36.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 6000	38.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 5000	38.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 4500	39.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4000	43.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3500	44.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3000	46.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2500	47.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2000	47.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1800	47.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1500	47.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1200	47.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1000	47.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 900	47.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 800	47.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 700	47.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 600	47.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 500	48.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 400	48.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 300	48.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 200	48.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 100	48.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 0	48.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3

TOTAL NUMBER OF OBSERVATIONS

150



# CEILING VERSUS VISIBILITY

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	30.0	49.3	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000	32.7	58.0	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 18000	32.7	58.0	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 16000	32.7	58.0	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 14000	32.7	58.0	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 12000	32.7	59.3	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000	33.3	63.3	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 9000	34.0	64.0	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 8000	36.0	68.0	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 7000	36.7	68.7	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 6000	36.7	68.7	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 5000	36.7	71.3	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4500	36.7	72.7	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4000	38.0	74.7	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3500	38.7	76.0	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3000	40.0	78.7	79.3	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2500	40.0	79.3	80.0	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2000	40.0	80.0	80.7	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1800	40.0	80.7	81.3	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1500	40.0	82.0	84.0	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1200	40.0	82.0	84.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1000	40.7	83.3	85.3	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 900	40.7	84.0	86.0	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 800	40.7	84.0	86.0	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 700	40.7	84.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 600	40.7	84.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 500	40.7	84.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 400	40.7	84.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 300	40.7	84.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 200	40.7	84.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 100	40.7	84.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
0	40.7	84.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3

TOTAL NUMBER OF OBSERVATIONS

150



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

VI

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	26.7	50.7	50.7	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000	29.3	58.0	58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 18000	29.3	58.0	58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 16000	29.3	58.0	58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 14000	29.3	58.0	58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 12000	29.3	58.7	59.3	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000	32.0	63.3	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 9000	32.0	64.0	64.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 8000	33.3	67.3	68.0	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 7000	34.0	68.7	69.3	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 6000	34.0	69.3	70.7	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 5000	34.0	70.7	72.0	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4500	34.0	71.3	72.7	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4000	35.3	75.3	76.7	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3500	36.7	76.7	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000	37.3	78.7	80.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500	37.3	78.7	80.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	38.0	79.3	80.7	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1800	38.0	79.3	80.7	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1500	38.0	80.0	81.3	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1200	38.0	81.3	82.7	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1000	38.0	81.3	82.7	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 900	38.0	81.3	82.7	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 800	38.0	82.0	83.3	84.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 700	38.0	83.3	84.7	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 600	38.0	83.3	85.3	87.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 500	38.0	83.3	85.3	87.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 400	38.0	83.3	85.3	87.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 300	38.0	84.0	86.0	88.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 200	38.0	84.0	86.0	88.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 100	38.0	84.0	86.0	88.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
0	38.0	84.0	86.0	88.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	25.9	47.6	48.8	49.2	49.8	49.8	50.0	50.3	50.3	50.4	50.5	50.5	50.6	50.6
≥ 20000	27.9	52.6	54.2	54.5	55.2	55.2	55.4	55.7	55.7	55.7	55.8	55.8	55.9	55.9
≥ 18000	27.9	52.6	54.2	54.5	55.2	55.2	55.4	55.7	55.7	55.7	55.8	55.8	55.9	55.9
≥ 16000	27.9	52.6	54.2	54.5	55.2	55.2	55.4	55.7	55.7	55.7	55.8	55.8	55.9	55.9
≥ 14000	27.9	52.6	54.2	54.5	55.2	55.2	55.4	55.7	55.7	55.7	55.8	55.8	55.9	55.9
≥ 12000	28.0	53.8	55.3	55.7	56.3	56.3	56.5	56.8	56.8	56.9	56.9	57.0	57.1	57.8
≥ 10000	29.2	57.3	58.9	59.4	60.1	60.1	60.3	60.6	60.6	60.7	60.7	60.8	60.8	61.6
≥ 9000	29.4	58.0	59.5	60.0	60.7	60.7	60.9	61.2	61.2	61.3	61.4	61.5	61.5	62.2
≥ 8000	31.8	63.0	64.8	65.3	66.2	66.2	66.4	66.7	66.7	66.8	66.9	66.9	67.0	67.7
≥ 7000	33.0	64.6	66.5	67.0	68.0	68.0	68.2	68.4	68.4	68.5	68.6	68.7	68.7	69.5
≥ 6000	33.0	64.8	66.8	67.3	68.2	68.2	68.4	68.7	68.7	68.8	68.9	69.0	69.0	69.8
≥ 5000	33.4	67.1	69.1	69.6	70.6	70.6	70.7	71.0	71.0	71.1	71.2	71.3	71.3	72.1
≥ 4500	34.0	69.2	71.1	71.7	72.7	72.7	72.9	73.2	73.2	73.2	73.3	73.4	73.4	74.3
≥ 4000	35.2	72.1	74.3	74.8	75.9	75.9	76.1	76.4	76.4	76.5	76.6	76.7	76.7	77.5
≥ 3500	36.6	74.0	76.3	76.8	78.0	78.0	78.2	78.4	78.4	78.5	78.6	78.7	78.7	79.5
≥ 3000	37.7	76.0	78.4	79.2	80.6	80.6	80.7	81.0	81.0	81.1	81.2	81.3	81.3	82.1
≥ 2500	38.0	76.9	79.4	80.2	81.6	81.6	81.8	82.0	82.0	82.1	82.2	82.3	82.3	83.2
≥ 2000	38.3	78.0	80.4	81.3	82.8	82.8	83.2	83.4	83.4	83.5	83.6	83.7	83.7	84.5
≥ 1800	38.4	78.2	80.7	81.6	83.1	83.2	83.4	83.7	83.7	83.8	83.9	84.0	84.0	84.8
≥ 1500	38.5	79.4	82.0	83.1	84.5	84.6	84.9	85.2	85.2	85.3	85.4	85.6	85.6	86.4
≥ 1200	38.5	79.6	82.7	83.8	85.3	85.4	85.7	86.0	86.0	86.1	86.2	86.4	86.4	87.2
≥ 1000	38.6	80.7	83.5	84.9	86.5	86.6	86.9	87.2	87.2	87.3	87.4	87.6	87.6	88.4
≥ 900	38.6	81.0	83.9	85.3	86.9	86.9	87.3	87.6	87.6	87.7	87.8	88.0	88.0	88.8
≥ 800	38.6	81.2	84.2	85.7	87.7	87.9	88.3	88.6	88.6	88.8	89.0	89.2	89.2	90.0
≥ 700	38.6	81.7	84.9	86.6	88.9	89.1	89.7	90.1	90.1	90.4	90.6	90.7	90.7	91.6
≥ 600	38.6	81.7	85.1	86.9	89.4	89.5	90.4	90.7	90.7	91.1	91.3	91.5	91.5	92.3
≥ 500	38.7	82.0	85.5	87.2	89.8	90.1	91.2	91.9	91.9	92.3	92.5	92.7	92.7	93.5
≥ 400	38.7	82.0	85.5	87.4	90.1	90.4	92.0	93.2	93.2	93.6	93.8	94.0	94.0	94.8
≥ 300	38.7	82.1	85.6	87.6	90.4	90.7	92.3	93.9	94.0	95.0	95.2	95.4	95.7	96.5
≥ 200	38.7	82.1	85.6	87.6	90.4	90.7	92.6	94.4	94.5	95.8	96.3	96.6	97.3	98.4
≥ 100	38.7	82.1	85.6	87.6	90.4	90.7	92.6	94.4	94.6	95.9	96.5	96.9	97.8	99.5
≥ 0	38.7	82.1	85.6	87.6	90.4	90.7	92.6	94.4	94.6	95.9	96.5	96.9	97.9	100.0

1080

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-75

YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	24.4	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.2
≥ 20000	27.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
≥ 18000	27.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
≥ 16000	27.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
≥ 14000	27.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
≥ 12000	27.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
≥ 10000	30.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	54.7
≥ 9000	30.2	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	55.8
≥ 8000	31.4	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	60.5
≥ 7000	32.6	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	61.6
≥ 6000	32.6	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	62.8
≥ 5000	32.6	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	67.4
≥ 4500	34.9	67.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	69.8
≥ 4000	34.9	69.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	72.1
≥ 3500	37.2	73.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	75.6
≥ 3000	38.4	74.4	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	79.1
≥ 2500	39.5	76.7	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	81.4
≥ 2000	39.5	79.1	82.6	82.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	84.9
≥ 1800	39.5	79.1	82.6	82.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	84.9
≥ 1500	39.5	79.1	83.7	83.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	86.1
≥ 1200	39.5	80.2	86.1	86.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	88.4
≥ 1000	39.5	80.2	87.2	87.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	89.5
≥ 900	39.5	80.2	87.2	87.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	89.5
≥ 800	39.5	80.2	87.2	87.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	89.5
≥ 700	39.5	81.4	88.4	88.4	90.7	90.7	90.7	90.7	91.9	91.9	91.9	91.9	91.9	93.0
≥ 600	39.5	82.6	89.5	89.5	91.9	91.9	91.9	91.9	93.0	93.0	93.0	93.0	93.0	94.2
≥ 500	39.5	82.6	89.5	90.7	93.0	93.0	93.0	93.0	94.2	94.2	94.2	94.2	94.2	95.4
≥ 400	39.5	82.6	89.5	90.7	93.0	93.0	93.0	93.0	94.2	94.2	94.2	94.2	94.2	95.4
≥ 300	39.5	82.6	89.5	91.9	94.2	94.2	94.2	94.2	96.5	96.5	96.5	96.5	96.5	97.7
≥ 200	39.5	82.6	89.5	91.9	94.2	94.2	94.2	94.2	96.5	96.5	96.5	96.5	96.5	97.7
≥ 100	39.5	82.6	89.5	91.9	94.2	94.2	94.2	94.2	96.5	96.5	96.5	96.5	96.5	97.7
≥ 0	39.5	82.6	89.5	91.9	94.2	94.2	94.2	94.2	96.5	96.5	96.5	96.5	96.5	97.7

TOTAL NUMBER OF OBSERVATIONS

86



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

LAKEHURST, NEW JERSEY

STATION NAME

73-75

YEARS

DEC

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	24.7	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 20000	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 18000	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 16000	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 14000	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 12000	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 10000	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 8000	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 6000	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 5000	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 4500	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 4000	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 3500	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 3000	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 2500	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 2000	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 1800	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 1500	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 1200	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 1000	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 900	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 800	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 700	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 600	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 500	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 400	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 300	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 200	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 100	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 0	25.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1

TOTAL NUMBER OF OBSERVATIONS

85

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	16.1	40.0	40.7	42.6	42.6	43.2	43.2	44.5	44.5	44.5	44.5
≥ 20000	17.4	41.3	41.9	43.9	43.9	44.5	44.5	45.8	45.8	45.8	45.8
≥ 18000	17.4	41.3	41.9	43.9	43.9	44.5	44.5	45.8	45.8	45.8	45.8
≥ 16000	17.4	41.3	41.9	43.9	43.9	44.5	44.5	45.8	45.8	45.8	45.8
≥ 14000	17.4	41.3	41.9	43.9	43.9	44.5	44.5	45.8	45.8	45.8	45.8
≥ 12000	18.1	41.9	42.6	44.5	44.5	45.2	45.2	46.5	46.5	46.5	46.5
≥ 10000	19.4	45.8	46.5	48.4	48.4	49.0	49.0	50.3	50.3	50.3	50.3
≥ 9000	20.0	47.7	48.4	50.3	50.3	51.0	51.0	52.3	52.3	52.3	52.3
≥ 8000	21.3	53.6	54.2	56.1	56.1	56.8	56.8	58.1	58.1	58.1	58.1
≥ 7000	21.9	54.2	54.8	56.8	56.8	57.4	57.4	58.7	58.7	58.7	58.7
≥ 6000	21.9	54.2	54.8	56.8	56.8	57.4	57.4	58.7	58.7	58.7	58.7
≥ 5000	21.9	56.1	56.8	58.7	58.7	59.4	59.4	60.7	60.7	60.7	60.7
≥ 4500	21.9	58.7	59.4	61.3	61.3	61.9	61.9	63.2	63.2	63.2	63.2
≥ 4000	23.9	65.2	65.8	67.7	67.7	68.4	68.4	69.7	69.7	69.7	69.7
≥ 3500	25.2	67.1	68.4	70.3	70.3	71.0	71.0	72.9	72.9	72.9	72.9
≥ 3000	25.8	69.0	70.3	72.3	72.3	73.6	73.6	74.8	74.8	74.8	74.8
≥ 2500	26.5	71.0	72.3	74.2	74.2	75.5	75.5	76.1	76.1	76.1	76.1
≥ 2000	26.5	72.3	74.2	76.1	76.1	77.4	77.4	78.7	78.7	78.7	78.7
≥ 1800	26.5	72.9	74.8	76.8	76.8	78.1	78.1	79.4	79.4	79.4	79.4
≥ 1500	26.5	74.8	76.8	78.7	78.7	80.0	80.0	81.3	81.3	81.3	81.3
≥ 1200	26.5	75.5	77.4	79.4	79.4	80.7	80.7	81.9	81.9	81.9	81.9
≥ 1000	26.5	75.5	77.4	80.0	80.0	81.3	81.3	83.2	83.2	83.2	83.2
≥ 900	27.1	76.1	78.7	81.3	81.3	82.6	82.6	84.5	84.5	84.5	84.5
≥ 800	27.1	76.1	78.7	81.3	81.3	82.6	82.6	84.5	84.5	84.5	84.5
≥ 700	27.1	76.8	79.4	81.9	81.9	83.2	83.2	85.2	85.2	85.2	85.2
≥ 600	27.1	77.4	80.0	83.2	83.2	84.5	84.5	86.5	86.5	86.5	86.5
≥ 500	27.7	78.7	81.9	85.2	85.2	86.5	86.5	89.0	89.0	89.0	89.0
≥ 400	27.7	78.7	81.9	85.8	85.8	87.1	87.1	90.3	90.3	90.3	90.3
≥ 300	27.7	78.7	81.9	85.8	85.8	87.1	87.1	91.0	91.0	91.0	91.0
≥ 200	27.7	78.7	81.9	85.8	85.8	87.1	87.1	91.0	91.0	91.0	91.0
≥ 100	27.7	78.7	81.9	85.8	85.8	87.1	87.1	91.0	91.0	91.0	91.0
0	27.7	78.7	81.9	85.8	85.8	87.1	87.1	91.0	91.0	91.0	91.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14760  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

DEC  
MONTH

10  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	19.4	41.9	41.9	41.9	41.9	41.9	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 20000	22.6	47.1	47.1	47.1	47.1	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 18000	22.6	47.7	47.7	47.7	47.7	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 16000	22.6	47.7	47.7	47.7	47.7	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 14000	22.6	47.7	47.7	47.7	47.7	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 12000	22.6	47.7	47.7	47.7	47.7	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 10000	23.2	50.3	50.3	50.3	50.3	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 9000	23.2	51.0	51.0	51.0	51.0	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 8000	25.2	58.1	58.1	59.4	59.4	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 7000	25.2	58.7	59.4	60.0	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 6000	25.2	58.7	59.4	60.0	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 5000	25.2	60.0	60.7	61.3	61.3	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 4500	25.2	61.9	63.2	63.9	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4000	28.4	67.1	68.4	69.7	69.7	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3500	28.4	68.4	69.7	71.0	71.0	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3000	29.0	70.3	71.6	72.9	73.6	75.5	76.1	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2500	29.0	70.3	71.6	72.9	73.6	75.5	76.1	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2000	31.6	74.8	76.1	77.4	78.1	80.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800	31.6	74.8	76.1	77.4	78.1	80.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1500	32.9	76.1	77.4	78.7	79.4	81.3	82.6	83.2	83.9	83.9	83.9	83.9	83.9
≥ 1200	33.6	77.4	78.7	80.0	81.3	83.9	85.2	85.8	86.5	86.5	86.5	86.5	86.5
≥ 1000	33.6	78.1	79.4	81.3	82.6	85.2	86.5	87.1	87.7	87.7	87.7	87.7	87.7
≥ 900	34.2	78.7	80.0	81.3	83.9	86.5	89.0	89.7	90.3	90.3	90.3	90.3	90.3
≥ 800	34.2	79.4	80.7	82.6	84.5	87.1	89.7	90.3	91.0	91.0	91.0	91.0	91.0
≥ 700	34.2	79.4	80.7	82.6	85.2	87.7	90.3	91.6	92.3	92.3	92.3	92.3	92.3
≥ 600	34.2	79.4	80.7	82.6	85.2	87.7	90.3	92.3	92.9	92.9	92.9	92.9	92.9
≥ 500	34.2	79.4	80.7	82.6	85.2	87.7	91.0	92.9	93.6	94.2	94.2	94.2	94.2
≥ 400	34.2	79.4	80.7	82.6	85.2	87.7	91.0	92.9	93.6	94.2	94.2	94.2	94.2
≥ 300	34.2	79.4	80.7	82.6	85.2	88.4	91.6	94.2	94.8	95.5	95.5	95.5	95.5
≥ 200	34.2	79.4	80.7	82.6	85.2	88.4	91.6	94.2	94.8	95.5	96.8	97.4	97.4
≥ 100	34.2	79.4	80.7	82.6	85.2	88.4	91.6	94.2	94.8	95.5	97.4	98.1	98.1
0	34.2	79.4	80.7	82.6	85.2	88.4	91.6	94.2	94.8	96.1	97.4	98.1	98.1
0	34.2	79.4	80.7	82.6	85.2	88.4	91.6	94.2	94.8	96.1	97.4	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	27.1	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 20000	31.6	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 18000	31.6	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 16000	31.6	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 14000	31.6	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 12000	32.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 10000	33.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 9000	34.2	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 8000	36.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 7000	36.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 6000	36.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 5000	36.8	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 4500	37.4	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4000	39.4	69.0	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3500	40.0	71.6	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3000	41.9	74.2	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 2500	43.2	76.1	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2000	44.5	78.1	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1800	44.5	78.1	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1500	44.5	80.7	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1200	45.2	81.9	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1000	45.2	82.6	84.5	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 900	45.2	83.9	85.8	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 800	45.2	84.5	87.1	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 700	45.2	85.2	87.7	88.4	89.7	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 600	45.2	85.2	88.4	89.0	90.3	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 500	45.2	85.2	88.4	89.0	90.3	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 400	45.2	85.2	88.4	89.0	91.0	92.3	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 300	45.2	85.2	88.4	89.7	91.6	92.9	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	45.2	85.2	88.4	89.7	91.6	92.9	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	45.2	85.2	88.4	89.7	91.6	92.9	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 0	45.2	85.2	88.4	89.7	91.6	92.9	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

DEC  
MONTH

16  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	25.2	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 20000	32.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 18000	32.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 16000	32.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 14000	32.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 12000	32.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 10000	34.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 9000	34.2	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 8000	37.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 7000	38.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 6000	38.1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 5000	38.7	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 4500	40.0	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4000	41.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3500	45.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000	46.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500	46.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	46.5	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800	46.5	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1500	46.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1200	46.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1000	46.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 900	46.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 800	46.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 700	46.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 600	46.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 500	46.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 400	46.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 300	46.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 200	46.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 100	46.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 0	46.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	27.7	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	30.3	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 18000	30.3	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 16000	30.3	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000	30.3	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 12000	31.0	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 10000	32.3	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 9000	32.9	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 8000	37.4	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	38.7	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 6000	38.7	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 5000	40.7	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500	42.6	71.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4000	43.9	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3500	43.9	76.1	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3000	43.9	76.8	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500	43.9	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2000	44.5	80.7	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1800	44.5	80.7	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1500	44.5	81.9	83.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1200	44.5	81.9	83.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1000	44.5	81.9	84.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 900	44.5	82.6	85.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 800	44.5	82.6	85.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 700	44.5	83.2	86.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 600	44.5	83.2	87.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 500	44.5	84.5	88.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 400	44.5	84.5	88.4	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 300	44.5	84.5	88.4	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 200	44.5	84.5	88.4	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 100	44.5	84.5	88.4	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 0	44.5	84.5	88.4	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	27.9	42.2	43.5	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 20000	31.8	48.7	50.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 18000	31.8	48.7	50.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 16000	31.8	48.7	50.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000	31.8	48.7	50.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 12000	31.8	49.4	50.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 10000	35.7	54.6	55.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 9000	35.7	55.2	56.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 8000	37.0	57.8	59.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 7000	38.3	59.7	61.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 6000	38.3	61.0	62.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 5000	39.0	64.3	66.2	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 4500	40.9	66.2	68.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 4000	41.6	67.5	69.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 3500	42.2	68.8	70.8	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 3000	42.9	70.1	72.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 2500	44.8	72.7	76.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2000	44.8	75.3	79.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 1800	44.8	75.3	79.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 1500	44.8	76.6	81.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 1200	45.5	77.3	81.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 1000	45.5	78.6	83.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 900	45.5	79.9	84.4	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 800	45.5	79.9	84.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 700	45.5	79.9	84.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 600	45.5	79.9	84.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 500	45.5	80.5	85.1	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 400	45.5	80.5	85.1	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 300	45.5	80.5	85.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 200	45.5	80.5	85.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 100	45.5	80.5	85.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
0	45.5	80.5	85.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9

TOTAL NUMBER OF OBSERVATIONS 154

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	24.0	41.9	42.3	42.7	42.7	42.8	42.9	43.1	43.1	43.1	43.1	43.1
≥ 20000	27.6	47.9	48.3	48.7	48.7	48.8	48.9	49.1	49.1	49.1	49.1	49.1
≥ 18000	27.6	48.0	48.4	48.8	48.8	48.9	49.0	49.2	49.2	49.2	49.2	49.2
≥ 16000	27.6	48.0	48.4	48.8	48.8	48.9	49.0	49.2	49.2	49.2	49.2	49.2
≥ 14000	27.6	48.0	48.4	48.8	48.8	48.9	49.0	49.2	49.2	49.2	49.2	49.2
≥ 12000	27.8	48.4	48.7	49.2	49.2	49.3	49.4	49.6	49.6	49.6	49.6	49.6
≥ 10000	29.7	51.7	52.1	52.6	52.6	52.7	52.8	53.0	53.0	53.0	53.0	53.0
≥ 9000	30.0	52.6	53.0	53.5	53.5	53.6	53.7	53.9	53.9	53.9	53.9	53.9
≥ 8000	32.2	58.0	58.6	59.1	59.1	59.3	59.4	59.6	59.6	59.6	59.6	59.6
≥ 7000	32.8	59.1	59.6	60.2	60.2	60.4	60.5	60.6	60.6	60.6	60.6	60.6
≥ 6000	32.8	59.4	59.9	60.5	60.5	60.6	60.7	60.9	60.9	60.9	60.9	60.9
≥ 5000	33.4	62.0	62.9	63.5	63.5	63.6	63.7	63.9	63.9	63.9	63.9	63.9
≥ 4500	34.4	65.2	66.2	66.8	66.8	67.1	67.2	67.4	67.4	67.4	67.4	67.4
≥ 4000	35.8	68.6	69.6	70.5	70.5	70.7	71.0	71.2	71.2	71.2	71.2	71.2
≥ 3500	37.1	71.4	72.6	73.4	73.4	74.1	74.4	74.6	74.6	74.6	74.6	74.6
≥ 3000	38.0	73.2	74.7	75.6	75.6	76.4	76.6	76.9	76.9	76.9	76.9	76.9
≥ 2500	38.8	74.9	76.6	77.5	77.5	78.4	78.6	79.0	79.0	79.0	79.0	79.0
≥ 2000	39.6	77.4	79.5	80.4	80.4	81.5	81.7	82.1	82.1	82.1	82.1	82.1
≥ 1800	39.6	77.6	79.6	80.6	81.1	81.6	81.9	82.3	82.3	82.3	82.3	82.3
≥ 1500	39.8	79.3	81.6	82.6	83.1	83.7	84.1	84.5	84.6	84.6	84.7	84.7
≥ 1200	40.1	79.9	82.3	83.5	84.3	85.1	85.5	85.8	85.9	85.9	86.1	86.1
≥ 1000	40.1	80.4	83.0	84.6	85.6	86.5	86.9	87.6	87.8	87.8	88.0	88.0
≥ 900	40.3	81.0	83.8	85.6	86.7	87.6	88.3	88.9	89.2	89.2	89.4	89.4
≥ 800	40.3	81.4	84.4	86.3	87.4	88.4	89.1	89.7	90.0	90.2	90.2	90.2
≥ 700	40.3	81.9	84.9	87.0	88.3	89.4	90.3	91.0	91.3	91.5	91.5	91.5
≥ 600	40.3	82.2	85.6	87.7	89.1	90.2	91.5	92.4	92.6	92.8	92.8	92.8
≥ 500	40.4	82.6	86.1	88.4	89.9	91.3	93.0	94.2	94.3	94.7	94.9	94.9
≥ 400	40.4	82.7	86.2	88.6	90.3	91.7	93.6	95.4	95.6	96.3	96.6	96.6
≥ 300	40.4	82.7	86.3	89.1	90.8	92.5	94.5	96.7	97.0	97.7	98.0	98.1
≥ 200	40.4	82.7	86.3	89.1	90.8	92.5	94.6	96.8	97.1	98.1	98.6	98.7
≥ 100	40.4	82.7	86.3	89.1	90.8	92.5	94.6	96.8	97.1	98.2	98.6	98.6
0	40.4	82.7	86.3	89.1	90.8	92.5	94.6	96.8	97.1	98.2	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS

1100

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

73-77

YEARS

ALL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	22.8	42.8	44.3	45.4	46.7	47.1	47.8	48.2	48.2	48.4	48.5	48.5	48.6	48.7
≥ 20000	25.8	48.6	50.4	51.7	53.3	53.8	54.7	55.2	55.2	55.4	55.6	55.6	55.7	55.8
≥ 18000	25.8	48.7	50.5	51.8	53.4	53.9	54.8	55.3	55.3	55.5	55.6	55.7	55.8	55.9
≥ 16000	25.8	48.7	50.5	51.8	53.4	54.0	54.8	55.3	55.4	55.6	55.7	55.7	55.8	56.0
≥ 14000	25.9	48.9	50.6	52.0	53.6	54.1	55.0	55.5	55.5	55.7	55.8	55.9	56.0	56.1
≥ 12000	26.3	49.8	51.6	53.0	54.6	55.2	56.0	56.5	56.6	56.8	56.9	57.0	57.1	57.2
≥ 10000	27.6	52.7	54.6	56.1	57.8	58.4	59.4	59.9	59.9	60.1	60.2	60.3	60.4	60.5
≥ 9000	27.7	53.1	55.1	56.6	58.3	58.9	59.9	60.4	60.5	60.7	60.8	60.8	60.9	61.0
≥ 8000	29.3	57.0	59.1	60.7	62.7	63.4	64.5	65.0	65.1	65.3	65.4	65.5	65.6	65.7
≥ 7000	29.9	58.5	60.8	62.4	64.4	65.1	66.2	66.8	66.8	67.1	67.2	67.2	67.4	67.7
≥ 6000	30.0	58.8	61.1	62.8	64.8	65.5	66.6	67.2	67.2	67.5	67.6	67.7	67.8	67.9
≥ 5000	30.6	60.6	63.0	64.7	66.7	67.5	68.6	69.2	69.2	69.5	69.6	69.7	69.8	69.9
≥ 4500	31.4	62.5	65.0	66.7	68.8	69.6	70.8	71.3	71.4	71.7	71.8	71.8	72.0	72.1
≥ 4000	32.7	65.8	68.5	70.3	72.6	73.5	74.8	75.4	75.5	75.8	75.9	75.9	76.1	76.2
≥ 3500	33.7	67.7	70.5	72.5	74.8	75.8	77.1	77.8	77.8	78.1	78.2	78.3	78.4	78.6
≥ 3000	34.4	69.6	72.6	74.7	77.3	78.3	79.7	80.4	80.4	80.7	80.9	80.9	81.0	81.2
≥ 2500	35.0	71.2	74.3	76.6	79.2	80.4	81.8	82.5	82.6	82.8	83.0	83.0	83.2	83.3
≥ 2000	35.2	72.4	75.5	78.0	80.8	82.0	83.4	84.2	84.3	84.5	84.7	84.7	84.9	85.0
≥ 1800	35.3	72.6	75.8	78.2	81.0	82.2	83.7	84.4	84.5	84.8	84.9	85.0	85.1	85.3
≥ 1500	35.4	73.6	77.0	79.5	82.4	83.7	85.3	86.1	86.2	86.5	86.6	86.7	86.8	87.0
≥ 1200	35.5	74.2	77.7	80.3	83.3	84.6	86.2	87.1	87.2	87.5	87.6	87.7	87.8	88.0
≥ 1000	35.6	74.7	78.4	81.2	84.3	85.7	87.4	88.3	88.4	88.7	88.9	88.9	89.1	89.2
≥ 900	35.6	74.9	78.7	81.5	84.7	86.1	87.9	88.9	89.0	89.3	89.5	89.5	89.7	89.8
≥ 800	35.7	75.3	79.2	82.1	85.4	87.0	88.9	89.9	90.0	90.4	90.6	90.6	90.8	91.0
≥ 700	35.7	75.7	79.6	82.6	86.1	87.9	89.9	91.0	91.2	91.5	91.7	91.8	91.9	92.1
≥ 600	35.7	75.8	79.9	82.9	86.6	88.4	90.7	92.0	92.1	92.5	92.7	92.7	92.9	93.1
≥ 500	35.7	76.1	80.2	83.4	87.2	89.2	91.9	93.5	93.6	94.0	94.3	94.4	94.6	94.7
≥ 400	35.7	76.1	80.3	83.6	87.6	89.7	92.6	94.5	94.7	95.3	95.6	95.7	95.9	96.1
≥ 300	35.7	76.2	80.3	83.7	87.9	90.1	93.1	95.3	95.5	96.3	96.8	96.9	97.1	97.2
≥ 200	35.7	76.2	80.4	83.7	87.9	90.2	93.3	95.7	95.9	96.9	97.6	97.7	98.2	98.3
≥ 100	35.7	76.2	80.4	83.7	87.9	90.2	93.3	95.8	96.0	97.0	97.7	97.9	98.5	98.6
≥ 0	35.7	76.2	80.4	83.7	87.9	90.2	93.3	95.8	96.0	97.0	97.7	97.9	98.6	99.2

TOTAL NUMBER OF OBSERVATIONS

13128

DIRNAVOCEANMET SMOS



JAN  
MONTH

5704 SKY COVER JAN 68

NAVWEASERVCOM

# SKY COVER

5704 SKY COVER JAN 68

14780 STATION

LAKEHURST, NEW JERSEY

73-77

PERIOD

FEB MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
FEB	01	32.1	4.8	2.4		3.6	1.2	1.2	3.6	3.6	3.6	44.0	84
	04	22.6	3.6	3.6	3.6	2.4	2.4	6.0	1.2	7.1		47.6	84
	07	14.9	7.8	7.1	3.5	5.0	2.8	2.1	2.5	2.8	5.0	45.4	141
	10	17.0	3.5	5.0	6.4	3.5	5.0	2.1	5.7	2.8	7.8	41.1	141
	13	12.8	1.4	5.0	9.9	1.4	4.3	2.1	5.7	6.4	7.8	43.3	141
	16	15.6	2.1	5.0	4.3	5.7	4.3	2.8	5.0	5.7	9.2	40.4	141
	19	22.7	4.3	5.7	3.5	5.0	4.3	1.4	1.4	2.8	5.7	43.3	141
	22	31.2	2.1	7.8	5.7	4.3	2.1	1.4	4.3	1.4	4.3	40.4	141
TOTALS		21.1	3.7	5.2	4.0	3.9	3.3	2.4	3.8	4.1	5.4	43.2	1014

MAR  
MONTH

**PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	01	24.7		4.3	1.1	2.2	2.2			5.4	1.1	59.1	6.8	93
	04	20.4		3.2	4.3	2.2	4.3	1.1	1.1	6.5		57.0	6.8	92
	07	17.4	.6	1.9	4.5	2.6	1.3	1.9	4.5	5.2	6.5	53.5	7.1	152
	10	11.0	2.6	3.9	4.5	2.6	1.3	1.3	6.5	3.2	8.4	54.8	7.4	155
	13	7.1	1.9	3.2	4.5	4.5	2.6	3.2	2.8	3.9	8.4	54.8	7.7	155
	16	8.4	3.2	3.9	1.3	3.9	2.6	3.9	7.7	6.5	7.7	51.0	7.5	155
	19	14.2	3.9	3.2	3.2	5.2	5.2	3.2	1.9	3.2	3.9	52.9	6.9	155
	22	25.2	.6	2.6	3.2	4.5	2.6	2.6	2.6	4.5	2.6	49.0	6.3	155
TOTALS		16.1	1.6	3.2	3.3	3.5	2.8	2.2	3.8	4.8	4.8	54.0	7.1	1116



# SKY COVER

5704 SKY COVER JAN 68

14780 STATION LAKEHURST, NEW JERSEY 73-77 PERIOD MONTH APR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
APR	01	33.3		6.7	3.3	1.1	2.2	3.3	3.3	6.7	1.1	38.9	90
	04	24.4	1.1	10.0	3.3	4.4	3.3	4.4	3.3	5.6	2.2	27.8	90
	07	18.0	8.7	3.3	7.3	2.7	4.0	2.7	2.3	6.0	6.7	35.3	150
	10	19.3	2.0	2.7	4.7	4.7	3.3	2.7	4.7	8.0	6.7	41.3	150
	13	13.3	4.0	3.3	8.0	4.0	3.3	5.3	5.3	6.0	6.0	41.3	150
	16	15.3	9.3	3.3	2.7	4.0	2.0	2.7	8.0	6.7	8.0	38.0	150
	19	16.7	7.3	5.3	5.3	4.7	2.0	4.7	2.7	6.7	4.0	40.7	150
	22	28.7	1.3	5.3	6.0	6.7	2.7	.7	4.7	6.0	3.3	34.7	150
TOTALS		21.1	4.2	5.0	5.1	4.0	2.9	3.3	4.7	6.5	4.8	38.5	1080

MAY  
MONTH

1994

**9086**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	01	12.9	2.2	5.4	6.5	3.2	7.5	1.1	2.2	5.4	3.2	50.5	6.8	93
	04	10.8	3.2	5.4	2.2	4.3	5.4	1.1	6.5	6.5	5.4	49.5	7.1	93
	07	16.1	4.5	3.2	4.5	4.5	5.8	3.2	3.9	5.8	5.2	43.2	6.4	155
	10	11.0	5.2	6.5	2.6	3.2	5.2	2.6	7.7	6.5	8.4	41.3	6.7	155
	13	3.2	3.2	4.5	4.5	5.2	5.8	3.9	5.2	11.0	12.3	41.3	7.5	155
	16	2.6	1.3	8.4	8.4	5.8	6.5	2.6	5.2	7.1	11.0	41.3	7.2	155
	19	3.9	3.9	6.5	7.1	2.6	2.6	1.9	4.5	8.4	11.0	47.7	7.5	155
	22	13.5	4.5	5.2	4.5	5.2	3.2	2.6	3.9	5.8	3.2	48.4	6.7	155
TOTALS		67.3	3.5	5.6	5.0	4.3	5.3	2.4	4.9	7.1	7.5	45.4	7.0	1116

AD-A067 683

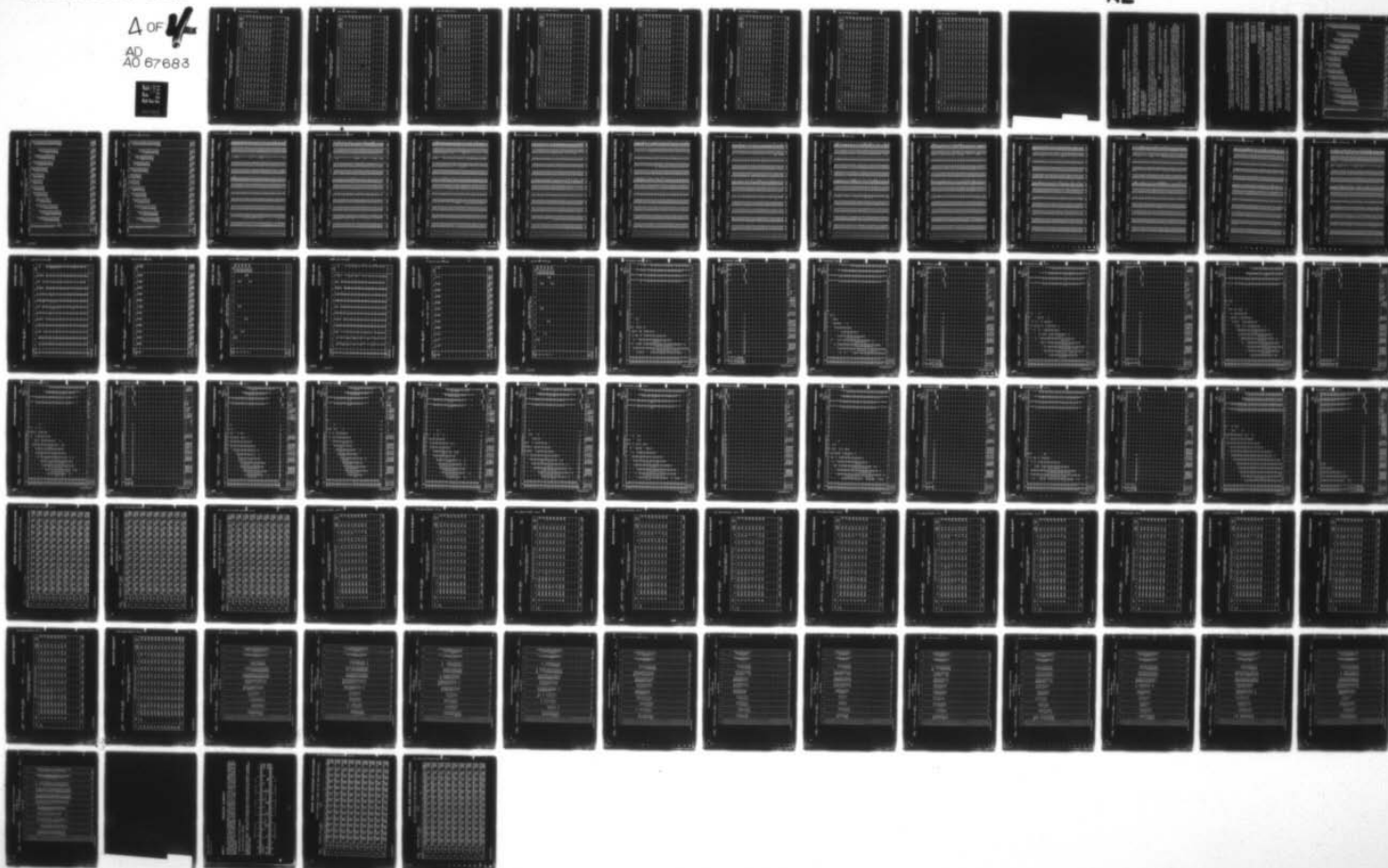
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C  
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) LAKEHURS--ETC(U)  
JUL 78

F/G 4/2

UNCLASSIFIED

NL

4 of 4  
AD  
A0 67683





768

**JULY**  
**MONTH**

5704 SKY COVER JAN 68

NAVWEASERVCOM

14780  
STATION

LAKEHURST, NEW JERSEY

723-77

PERIOD

**JUL**  
**MONTH**

**PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	01	24.7	4.3	2.2	8.6	2.2	3.2	4.3	1.1	3.2	3.2	43.0	5.8	93
	04	17.2	5.4	5.4	9.7	3.2	4.3	1.1	2.2	5.4	2.2	44.1	6.0	93
	07	13.5	5.8	6.5	8.4	5.2	1.9	1.3	4.5	7.1	4.5	41.3	6.2	155
	10	8.4	1.9	8.4	9.0	4.5	8.4	6.5	4.5	8.4	4.5	35.5	6.4	155
	13	3.9	1.9	5.2	5.8	7.1	5.2	3.9	10.3	9.7	9.7	37.4	7.2	155
	16	4.5	1.9	5.8	9.0	7.1	5.8	5.2	11.0	12.3	9.7	27.7	6.7	155
	19	11.0	5.2	7.1	7.1	3.9	5.8	4.5	4.5	8.4	9.0	33.5	6.3	155
	22	18.2	3.9	7.8	3.9	5.8	5.8	3.9	5.8	4.5	5.8	34.4	5.8	154
TOTALS		12.7	3.8	6.1	7.7	4.9	5.1	3.8	5.5	7.4	6.1	37.1	6.3	1115



## SKY COVER

14780 STATION LAKEHURST, NEW JERSEY 73-77 PERIOD AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
AUG	01	17.2	5.4	3.2	6.5	4.3	4.3	2.2		5.4	6.5	45.2	93
	04	14.0	2.2	7.5	7.5	4.3	3.2	3.2	5.4	5.4	3.2	44.1	93
	07	9.7	3.2	7.7	5.8	5.8	3.9	1.9	3.9	9.7	5.8	42.6	155
	10	6.5	4.5	7.7	8.4	6.5	7.1	4.5	4.5	6.5	11.0	32.9	155
	13	2.6	1.3	3.9	3.9	9.0	8.4	5.8	6.5	9.7	12.9	36.1	155
	16	5.8	1.9	7.1	4.5	6.5	7.1	2.6	5.2	10.3	13.5	35.5	155
	19	8.4	7.7	6.5	7.1	5.2	3.9	1.9	5.8	7.7	7.7	38.1	155
	22	16.8	3.9	5.2	5.2	5.2	3.2	1.3	5.8	6.5	5.2	41.9	155
TOTALS		10.1	3.8	6.1	6.1	5.9	5.1	2.9	4.6	7.7	8.2	39.6	6.6

2

**SEP**  
**MONTH**

## NAVWEASERVCOM

**MONTH**

**PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
OCT	01	40.9	3.2	3.2	5.4	3.2	4.3	3.2		2.2	2.2	32.3	4.4	93
	04	36.6	2.2	4.3	6.5	7.5	1.1	2.2	4.3	2.2	1.1	32.3	4.6	93
	07	20.8	7.1	6.5	5.2	2.6	2.6	1.3	3.2	3.2	11.0	36.4	5.8	154
	10	16.1	4.5	9.7	5.2	7.1	4.5	3.9	3.9	3.9	5.2	36.1	5.8	155
	13	12.3	3.9	7.7	5.2	2.6	7.1	3.9	9.7	5.2	7.7	34.8	6.3	155
	16	14.8	4.5	7.7	5.2	6.5	1.9	2.6	6.5	5.8	10.3	34.2	6.1	155
	19	22.6	5.2	5.2	5.2	2.6	2.6	6.5	6.5	3.9	5.2	34.8	5.6	155
	22	31.0	4.5	5.8	6.5	3.9	3.9	3.2	4.5	2.6	5.2	29.0	4.8	155
TOTALS		24.4	4.4	6.3	5.6	4.5	3.9	3.4	4.8	3.6	6.0	33.7	5.4	1115



**STATION**  
**14780**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	01	22.2	3.3	2.2	4.4	6.7	6.7	3.3	1.1	3.3	5.6	41.1	6.0	90
	04	22.2	4.4	5.6	7.8	5.6	4.4	7.8	3.3	1.1	3.3	34.4	5.4	90
	07	17.3	2.7	7.3	6.7	2.0	4.0	3.3	4.7	6.7	8.0	37.3	6.2	150
	10	11.3	4.7	6.0	6.0	6.0	5.3	7.3	4.7	3.3	9.3	36.0	6.3	150
	13	6.0	2.7	6.7	8.0	6.7	5.3	2.0	6.0	7.3	10.0	39.3	6.9	150
	16	8.0	4.0	8.0	9.3	2.0	4.7	2.0	6.7	12.0	6.0	37.3	6.6	150
	19	22.7	3.3	7.3	4.7	1.3	3.3	1.3	3.3	3.3	44.0	6.0	150	
	22	26.0	2.7	3.3	6.0	2.7	2.0	3.3	2.7	6.0	1.3	44.0	5.9	150
TOTALS		17.0	3.5	5.8	6.6	4.1	4.5	3.8	4.1	5.6	5.9	39.2	6.2	1080

DEC  
MONTH

## NAVWEASERVCOM

# SKY COVER

5704 SKY COVER JAN 68

14780 STATION LAKEHURST, NEW JERSEY 73-77 PERIOD ALL MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	18.1	3.7	5.4	4.6	3.9	3.8	2.5	3.4	4.0	4.1	46.8	6.4	1116
FEB		21.1	3.7	5.2	4.0	3.9	3.3	2.4	3.8	4.1	5.4	43.2	6.1	1014
MAR		16.1	1.6	3.3	3.3	3.5	2.8	2.2	3.8	4.8	4.8	54.0	7.1	1116
APR		21.1	4.2	5.0	5.1	4.0	2.9	3.3	4.7	6.5	4.8	38.5	5.9	1080
MAY		9.3	3.5	5.6	5.0	4.3	5.3	2.4	4.9	7.1	7.5	45.4	7.0	1116
JUN		7.1	3.4	5.6	5.0	5.1	5.6	2.6	4.6	7.9	9.6	43.8	7.1	1080
JUL		12.7	3.8	6.1	7.7	4.9	5.1	3.8	5.5	7.4	6.1	37.1	6.3	1116
AUG		10.1	3.8	6.1	6.1	5.9	5.1	2.9	4.6	7.7	8.2	39.6	6.6	1116
SEP		11.5	4.5	4.5	7.6	6.0	4.2	2.3	4.5	6.5	6.9	41.4	6.5	1080
OCT		24.4	4.4	6.3	5.6	4.5	3.5	3.4	4.8	3.6	6.0	33.7	5.4	1116
NOV		17.0	3.5	5.8	6.6	4.1	4.5	3.8	4.1	5.6	5.9	39.2	6.2	1080
DEC		16.7	2.8	4.8	5.1	4.6	2.7	2.7	3.6	4.4	5.3	47.3	6.6	1100
TOTALS		15.4	3.6	5.3	5.5	4.6	4.1	2.9	4.4	5.8	6.2	42.5	6.4	13128





## PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma x$ ). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).



**YEARS**

MAX 2.0UM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

[illegible]

NAVWEASERVCOM

# DAILY TEMPERATURES

14780  
STATION

LAKEHURST, NEW JERSEY  
STATION NAME

45-77

YEARS

MINIMUM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
75						.3	.9	.8	.2				.2
70					.1	4.7	18.1	14.4	5.2	.4			3.6
65					2.9	24.6	53.3	45.7	18.7	1.8			12.4
60					10.8	49.2	80.7	71.3	35.6	6.4	1.1		21.6
55	.1		.2	1.0	26.1	73.0	95.3	90.5	58.7	16.4	4.3	.2	31.2
50	.6	.3	2.6	11.2	30.8	91.5	99.8	98.7	77.2	33.3	10.3	1.3	40.1
45	2.0	1.7	6.0	26.6	74.4	99.1	100.0	99.9	90.7	53.6	19.7	3.5	48.4
40	5.5	4.2	15.9	53.1	94.0	100.0		100.0	96.6	75.0	33.3	9.7	57.8
35	14.8	14.9	34.8	76.6	99.2				99.4	89.4	56.0	20.4	67.4
30	29.2	32.5	61.7	93.4	100.0				100.0	97.5	77.8	40.6	78.0
25	48.1	53.2	81.9	98.7						99.7	93.3	59.5	86.4
20	65.1	71.0	93.2	100.0						99.9	98.7	77.0	92.2
15	80.2	83.5	98.1							100.0	99.9	88.6	95.9
10	90.1	93.6	99.6								100.0	96.4	98.3
5	96.0	98.4	99.9									99.3	99.5
0	99.4	99.6	100.0									100.0	99.9
5-	100.0	99.9											100.0
10-		100.0											100.0
MEAN	23.5	24.6	31.8	40.4	49.8	59.1	64.5	63.1	56.1	45.6	36.8	26.9	43.5
S. D.	10.374	9.580	8.343	7.479	7.189	6.693	5.375	6.033	8.627	8.747	9.127	9.755	16.591
TOTAL OBS.	992	931	1022	990	1022	990	1022	1023	990	992	990	1022	11986

NAVWEASERVCOM

## MEAN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

[illegible]

NAVWEASERVCOM



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1977

14780  
STATION

LAKEHURST, N.J.  
STATION NAME

1946-1977

JANUARY  
MONTH

YEARS

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C		
1	33.2	0.7	41.1	5.1	61	16.1	1966	25.2	-3.8	9	-12.8	1969
2	32.2	0.1	39.8	4.3	54	12.2	1972*	24.7	-4.1	6	-14.4	1968
3	34.0	1.1	41.6	5.3	61	16.1	1951*	26.4	-3.1	10	-12.2	1969
4	34.2	1.2	41.7	5.4	68	20.0	1950	26.7	-2.9	12	-11.1	1958
5	32.3	0.2	40.2	4.6	66	18.9	1950	24.4	-4.2	6	-14.4	1969
6	33.2	0.7	41.8	5.4	72	22.2	1950	24.7	-4.1	7	-13.9	1969
7	33.1	0.6	40.4	4.7	66	18.9	1950	25.7	-3.5	6	-14.4	1968
8	29.9	-1.2	36.9	2.7	58	14.4	1949	22.8	-5.1	3	-16.1	1970
9	30.1	-1.1	38.3	3.5	59	15.0	1965	21.9	-5.6	1	-17.2	1968
10	31.8	-0.1	39.7	4.3	63	17.2	1950	24.0	-4.4	4	-15.6	1970
11	31.4	-0.3	38.6	3.7	65	18.3	1975	24.2	-4.3	5	-15.0	1968
12	29.6	-1.3	37.5	3.1	58	14.4	1975	21.7	-5.7	-1	-18.3	1968
13	30.1	-1.1	38.7	3.7	61	16.1	1972	21.5	-5.8	5	-15.0	1977
14	31.8	-0.1	40.7	4.8	63	17.2	1950	23.0	-5.0	6	-14.4	1954
15	31.5	-0.3	39.7	4.3	65	18.3	1952	23.3	-4.8	0	-17.8	1965
16	30.0	-1.1	38.7	3.7	66	18.9	1953	21.4	-5.9	3	-16.1	1972
17	28.5	-1.9	37.9	3.3	63	17.2	1973	19.1	-7.2	-4	-20.0	1977
18	29.5	-1.4	39.0	3.9	67	19.4	1973	19.9	-6.7	-2	-18.9	1977
19	30.4	-0.9	39.4	4.1	70	21.1	1951	21.3	-5.9	-3	-19.4	1948
20	32.0	0.0	40.8	4.9	68	20.0	1951	23.2	-4.9	5	-15.0	1971
21	33.1	0.6	42.2	5.7	62	16.7	1959	24.0	-4.4	3	-16.1	1961
22	33.2	0.7	42.1	5.6	65	18.3	1957	24.3	-4.3	-1	-18.3	1961
23	33.3	0.7	43.2	6.2	69	20.6	1967	23.5	-4.7	2	-16.7	1976
24	32.7	0.4	40.7	4.8	70	21.1	1967	24.8	-4.0	1	-17.2	1963
25	34.0	1.1	41.5	5.3	65	18.3	1967	26.4	-3.1	1	-17.2	1963
26	35.1	1.7	43.7	6.5	76	24.4	1950	26.6	-3.0	4	-15.6	1961*
27	33.7	0.9	41.6	5.3	68	20.0	1974	25.7	-3.5	9	-12.8	1961
28	30.1	-1.1	38.5	3.6	61	16.1	1949	21.7	-5.7	4	-15.6	1961
29	30.4	-0.9	38.8	3.8	66	18.9	1975	22.0	-5.6	0	-17.8	1977
30	31.4	-0.3	39.6	4.2	71	21.7	1947	23.2	-4.9	3	-16.1	1952
31	28.6	-1.9	37.3	2.9	63	17.2	1974	19.9	-6.7	-4	-20.0	1948
Monthly	31.8	-0.1	40.1	4.5	76	24.4	1950	23.5	-4.7	-4	-20.0	1977*

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

## DAILY AVERAGE/EXTREME TEMPERATURES

14780

LAKEHURST, N. J.

1945-1977

FEBRUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP			MAXIMUM TEMP			MINIMUM TEMP					
	AVERAGE		DATE	AVERAGE		DATE	AVERAGE		DATE			
	° F	° C		° F	° C		° F	° C				
1	29.6	-1.3	37.5	3.1	60	15.6	1951	21.8	-5.7	3	-16.1	1971*
2	31.1	-0.5	39.1	3.9	65	18.3	1967	23.2	-4.9	-7	-21.7	1961
3	28.0	-2.2	36.8	2.7	55	12.8	1972	19.3	-7.1	-1	-18.3	1971*
4	30.2	-1.0	38.7	3.7	58	14.4	1962	21.8	-5.7	5	-15.0	1970*
5	31.2	-0.4	39.5	4.2	67	19.4	1962	22.8	-5.1	4	-15.6	1947
6	32.5	0.3	41.6	5.3	59	15.0	1960	23.3	-4.8	4	-15.6	1977*
7	32.2	0.1	40.3	4.6	55	12.8	1951	24.1	-4.4	3	-16.1	1948
8	30.0	-1.1	38.6	3.7	60	15.6	1965	21.3	-5.9	0	-17.8	1963
9	31.0	-0.6	39.5	4.2	63	17.2	1949	22.5	-5.3	5	-15.0	1948
10	32.3	0.2	40.5	4.7	66	18.9	1960	24.0	-4.4	8	-13.3	1974*
11	32.8	0.4	42.0	5.6	66	18.9	1960	23.7	-4.6	1	-17.2	1962
12	31.2	-0.4	40.2	4.6	59	15.0	1971*	22.1	-5.5	6	-14.4	1967
13	33.0	0.6	41.4	5.2	71	21.7	1951	24.6	-4.1	-1	-18.3	1967
14	34.3	1.3	43.2	6.2	65	18.3	1949	25.5	-3.6	10	-12.2	1955
15	35.8	2.1	44.4	6.9	76	24.4	1949	27.3	-2.8	12	-11.1	1969
16	33.8	1.0	42.9	6.1	76	24.4	1954	24.8	-4.0	7	-13.9	1975
17	33.5	0.8	41.4	5.2	68	20.0	1976	25.7	-3.5	4	-15.6	1973
18	34.7	1.5	43.7	6.5	63	17.2	1976	25.7	-3.5	5	-15.0	1973
19	35.8	2.1	44.5	6.9	71	21.7	1961	27.2	-2.7	12	-11.1	1965*
20	33.3	0.7	41.7	5.4	66	18.9	1971	24.9	-3.9	5	-15.0	1966
21	31.9	-0.1	39.9	4.4	68	20.0	1953	23.9	-4.5	5	-15.0	1968
22	33.9	1.1	42.8	6.0	62	16.7	1974	25.0	-3.9	6	-14.4	1968
23	33.6	0.9	41.6	5.3	66	18.9	1977	25.6	-3.6	9	-12.8	1972*
24	34.4	1.3	44.0	6.7	70	21.1	1961	24.8	-4.0	11	-11.7	1965*
25	38.0	3.3	47.2	8.4	68	20.0	1976	28.7	-1.8	12	-11.1	1967
26	37.2	2.9	45.8	7.7	65	18.3	1976	28.6	-1.9	9	-12.8	1970
27	38.2	3.4	47.9	8.8	71	21.7	1971	28.4	-2.0	8	-13.3	1963
28	36.7	2.6	45.2	7.3	65	18.3	1976	28.2	-2.1	12	-11.1	1950
29	38.3	3.5	46.6	8.1	74	23.3	1976	30.0	-1.1	22	-5.6	1956
30												
31												
Monthly	33.3	0.7	41.9	5.5	76	24.4	1954*	24.6	-4.1	-7	-21.7	1961

**\*ALSO ON EARLIER YEARS**

**DIRNA VOCE ANMET-SMOS**



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

14780

LAKEHURST, N.J.

1945-1977

MARCH

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP		MINIMUM TEMP		DATE
	AVERAGE °F	AVERAGE °C	AVERAGE °F	EXTREME °F	AVERAGE °F	EXTREME °F	
1	36.6	2.6	44.8	7.1	28.4	-2.0	1972
2	37.2	2.9	45.5	7.5	28.9	-1.7	1972
3	37.8	3.2	45.9	7.7	29.6	-1.3	1945
4	38.4	3.6	46.8	8.2	29.9	-1.2	1974
5	40.5	4.7	49.6	9.8	31.4	-0.3	1976
6	38.5	3.6	46.7	8.2	30.2	-1.0	1959
7	38.8	3.8	47.5	8.6	30.2	-1.0	1946
8	36.7	2.6	45.3	7.4	28.0	-2.2	1973*
9	37.8	3.2	47.3	8.5	28.3	-2.1	1964
10	38.7	3.7	47.3	8.5	30.2	-1.0	1955
11	37.8	3.2	46.2	7.9	29.5	-1.4	1967
12	38.9	3.8	47.8	8.8	30.0	-1.1	1973
13	39.9	4.4	47.6	8.7	32.3	0.2	1946
14	41.2	5.1	49.5	9.7	33.0	0.6	1957
15	41.4	5.2	50.7	10.4	32.1	0.1	1971
16	41.2	5.1	50.3	10.2	32.2	0.1	1945
17	40.2	4.6	48.7	9.3	31.7	-0.2	1945
18	37.6	3.1	45.8	7.7	29.4	-1.4	1969
19	39.4	4.1	48.3	9.1	30.3	-0.8	1945
20	41.3	5.2	50.6	10.3	32.0	0.0	1945
21	42.2	5.7	51.3	10.7	33.2	0.7	1948
22	41.5	5.3	50.2	10.1	32.9	0.3	1948
23	42.7	5.9	52.3	11.3	33.1	0.6	1949
24	44.0	6.7	54.7	12.6	33.2	0.7	1963
25	43.2	6.2	52.7	11.5	33.7	0.9	1963
26	43.8	6.6	54.2	12.3	33.4	0.8	1963
27	43.7	6.5	53.0	11.7	34.5	1.4	1949
28	45.7	7.6	56.7	13.7	34.7	1.3	1945
29	46.5	8.1	57.1	13.9	35.8	2.1	1945
30	46.3	7.9	55.2	12.9	37.5	3.1	1977
31	44.3	6.8	53.0	11.7	35.7	2.1	1945
Monthly	40.8	4.9	49.8	9.9	31.8	-0.1	1945

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

14780

LAKEHURST, N.J.

1945-1977

APRIL

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP		MINIMUM TEMP		DATE
	AVERAGE ° F	AVERAGE ° C	AVERAGE ° F	EXTREME ° F	AVERAGE ° F	EXTREME ° F	
1	46.4	8.0	57.2	75	35.7	20	1969
2	49.1	9.5	58.9	83	39.2	20	1964
3	47.7	8.7	58.1	81	37.2	23	1954
4	46.3	7.9	56.2	80	36.5	22	1954
5	47.4	8.6	58.0	75	36.8	24	1975
6	47.1	8.4	56.7	80	37.4	28	1970
7	47.0	8.3	56.8	78	37.3	26	1972
8	46.5	8.1	56.2	84	36.9	24	1972
9	46.7	8.2	57.4	86	36.0	22	1977
10	46.8	8.2	57.8	78	35.8	22	1977
11	48.0	8.9	58.2	84	37.8	29	1957
12	48.7	9.3	59.5	88	37.9	27	1976
13	48.0	8.9	58.4	86	37.7	27	1969
14	51.1	10.6	61.8	86	40.4	24	1950
15	51.8	11.0	62.4	86	41.3	26	1950
16	51.5	10.8	62.7	81	40.2	29	1950
17	52.4	11.3	63.8	91	40.9	28	1962
18	54.7	12.6	66.5	93	43.0	30	1948
19	54.8	12.7	65.9	91	43.7	33	1948
20	53.0	11.7	63.8	88	42.2	31	1961
21	53.3	11.8	65.1	86	41.5	29	1956
22	55.5	13.1	66.2	86	44.8	32	1975
23	55.3	12.9	66.2	86	44.4	31	1945
24	52.8	11.6	62.4	82	43.3	32	1956
25	53.1	11.7	63.0	89	43.2	30	1956
26	54.6	12.6	64.7	80	44.6	31	1967
27	52.1	11.2	60.8	89	43.3	34	1967*
28	52.6	11.4	62.4	88	42.9	32	1972
29	54.9	12.7	65.4	89	44.5	33	1977*
30	54.7	12.6	64.9	80	44.5	37	1977*
31							
Monthly	50.8	10.4	61.2	93	40.4	20	1969*

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

14780

LAKEHURST, N.J.

1945-1977

MAY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	55.1	12.8	65.3	18.5	83	28.3	44.9	7.2	35	1.7	1963
2	55.6	13.1	65.3	18.5	81	27.2	45.9	7.7	35	1.7	1963
3	56.2	13.4	66.2	19.0	85	29.4	46.3	7.9	34	1.1	1966
4	56.0	13.3	66.8	19.3	88	31.1	45.3	7.4	34	1.1	1957
5	56.1	13.4	67.3	19.6	90	32.2	45.0	7.2	34	1.1	1966
6	58.4	14.7	70.6	21.4	93	33.9	46.2	7.9	37	2.8	1970*
7	56.6	13.7	67.5	19.7	90	32.2	45.7	7.6	35	1.7	1970
8	56.7	13.7	66.7	19.3	88	31.1	46.7	8.2	34	1.1	1974
9	57.7	14.3	69.1	20.6	90	32.2	46.3	7.9	32	0.0	1947
10	60.0	15.6	71.3	21.8	90	32.2	48.7	9.3	32	0.0	1947
11	59.2	15.1	69.8	21.0	90	32.2	48.6	9.2	31	-0.6	1966
12	60.9	16.1	72.4	22.4	92	33.3	49.4	9.7	36	2.2	1962
13	61.0	16.1	72.1	22.3	88	31.1	50.0	10.0	40	4.4	1976*
14	59.3	15.2	69.9	21.1	82	27.8	48.6	9.2	39	3.9	1951
15	60.5	15.8	71.0	21.7	89	31.7	50.0	10.0	37	2.8	1971
16	61.0	16.1	71.6	22.0	90	32.2	50.4	10.2	39	3.9	1959
17	62.9	17.2	74.5	23.6	90	32.2	51.2	10.7	36	2.2	1956
18	62.1	16.7	72.2	22.3	92	33.3	52.0	11.1	40	4.4	1973
19	62.8	17.1	73.5	23.1	95	35.0	52.1	11.2	38	3.3	1973
20	62.2	16.8	72.0	22.2	90	32.2	52.5	11.4	43	6.1	1945
21	61.8	16.6	71.5	21.9	88	31.1	52.1	11.2	41	5.0	1974*
22	62.8	17.1	73.7	23.2	90	32.2	51.8	11.0	41	5.0	1957
23	63.3	17.4	74.4	23.6	92	33.3	52.2	11.2	42	5.6	1963
24	61.9	16.6	72.5	22.5	93	33.9	51.3	10.7	35	1.7	1963
25	62.1	16.7	71.8	22.1	89	31.7	52.4	11.3	36	2.2	1963
26	62.8	17.1	72.4	22.4	92	33.3	53.2	11.8	41	5.0	1972
27	61.6	16.4	71.0	21.7	94	34.4	52.2	11.2	37	2.8	1972
28	62.7	17.1	73.7	23.2	90	32.2	51.6	10.9	38	3.3	1972
29	63.5	17.5	72.9	22.7	92	33.3	54.1	12.3	40	4.4	1949
30	62.8	17.1	72.6	22.6	90	32.2	52.9	11.6	40	4.4	1949
31	64.9	18.3	75.5	24.2	93	33.9	54.3	12.4	43	6.1	1966*
Monthly	60.3	15.7	70.9	21.6	95	35.0	49.8	9.9	31	-0.6	1966

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

14780

LAKEHURST, N.J.

1945-1977

JUNE

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP		MINIMUM TEMP		DATE
	AVERAGE °F	AVERAGE °C	AVERAGE °F	EXTREME °C	AVERAGE °F	EXTREME °C	
1	65.5	18.6	76.0	91	55.0	40	1951
2	66.1	18.9	76.1	89	56.0	43	1969
3	65.2	18.4	75.1	87	55.3	43	1970
4	65.7	18.7	77.3	91	54.2	44	1951
5	67.0	19.4	77.8	94	56.1	43	1953
6	67.7	19.8	79.6	94	55.8	41	1953
7	67.8	19.9	78.8	92	56.8	40	1971
8	67.7	19.8	79.0	92	56.4	44	1971
9	68.6	20.3	79.1	94	58.2	43	1952
10	68.6	20.3	79.7	96	57.6	46	1974
11	68.6	20.3	79.2	93	57.4	40	1973
12	69.8	21.0	80.7	92	58.9	43	1967*
13	68.7	20.4	77.7	94	59.7	48	1961
14	67.7	19.8	76.8	99	58.6	48	1956
15	68.5	20.3	78.2	97	58.8	49	1945
16	69.0	20.6	78.6	93	59.4	49	1967*
17	69.0	20.6	79.4	96	58.6	47	1957*
18	68.9	20.5	79.9	95	58.0	44	1945
19	69.5	20.8	79.9	96	59.0	43	1957
20	70.1	21.2	80.5	94	59.7	46	1953
21	70.8	21.6	80.4	95	61.2	46	1953
22	71.1	21.7	80.6	93	61.6	47	1959
23	70.9	21.6	81.1	96	60.6	49	1965
24	73.1	22.8	84.5	95	61.7	49	1950*
25	73.7	23.2	83.8	97	63.6	56	1952
26	73.6	23.1	83.9	100	63.2	52	1952
27	73.2	22.9	84.0	97	62.5	48	1963
28	72.5	22.5	83.1	98	61.9	50	1963
29	73.4	23.0	83.9	98	62.8	51	1969
30	75.0	23.9	85.5	99	64.4	54	1948
31							1945
Monthly	69.6	20.9	80.0	100	59.1	40	1952
							1952
							1952*

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

14780 STATION      LAKEHURST, N.J.      STATION NAME      1945-1977      YEARS      JULY      MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	75.8	24.3	86.5	30.3	98	36.7	65.2	18.4	54	12.2	1952
2	75.8	24.3	87.2	30.7	97	36.1	64.3	17.9	52	11.1	1965*
3	74.7	23.7	85.6	29.8	100	37.8	63.9	17.7	52	11.1	1977*
4	73.4	23.0	84.3	29.1	99	37.2	62.5	16.9	52	11.1	1971
5	72.5	22.5	82.3	27.9	98	36.7	62.7	17.1	52	11.1	1971
6	72.5	22.5	82.6	28.1	94	34.4	62.5	16.9	54	12.2	1962
7	72.1	22.3	82.4	28.0	93	33.9	61.8	16.6	51	10.6	1968
8	73.0	22.8	83.3	28.5	93	33.9	62.7	17.1	53	11.7	1959
9	73.5	23.1	83.6	28.7	94	34.4	63.4	17.4	53	11.7	1972
10	74.1	23.4	83.8	28.8	94	34.4	64.3	17.9	54	12.2	1963
11	72.9	22.7	82.8	28.2	91	32.8	63.0	17.2	53	11.7	1954
12	73.2	22.9	83.3	28.5	93	33.9	63.2	17.3	50	10.0	1945
13	73.7	23.2	83.6	28.7	95	35.0	63.8	17.7	49	9.4	1971
14	75.0	23.9	84.3	29.1	101	38.3	65.7	18.7	59	15.0	1970
15	74.2	23.4	83.8	28.8	95	35.0	64.7	18.2	56	13.3	1971
16	74.4	23.6	83.8	28.8	99	37.2	65.0	18.3	53	11.7	1946
17	75.2	24.0	85.5	29.7	98	36.7	65.0	18.3	52	11.1	1946
18	76.5	24.7	87.3	30.7	100	37.8	65.8	18.8	54	12.2	1976*
19	77.1	25.1	87.5	30.8	100	37.8	66.8	19.3	58	14.4	1976*
20	75.1	23.9	84.5	29.2	98	36.7	65.7	18.7	56	13.3	1965
21	75.1	23.9	85.7	29.8	100	37.8	64.5	18.1	53	11.7	1966*
22	74.9	23.8	84.2	29.0	102	38.9	65.5	18.6	55	12.8	1974*
23	75.0	23.9	84.4	29.1	99	37.2	65.5	18.6	50	10.0	1974
24	74.3	23.5	84.0	28.9	93	33.9	64.5	18.1	54	12.2	1947
25	73.7	23.2	83.2	28.4	93	33.9	64.2	17.9	53	11.7	1953
26	73.7	23.2	84.1	28.9	93	33.9	63.4	17.4	50	10.0	1976
27	75.2	24.0	85.5	29.7	97	36.1	65.0	18.3	50	10.0	1977
28	76.0	24.4	85.7	29.8	98	36.7	66.4	19.1	49	9.4	1977
29	75.6	24.2	85.3	29.6	96	35.6	66.0	18.9	52	11.1	1977
30	75.0	23.9	84.2	29.0	97	36.1	65.8	18.8	53	12.8	1968*
31	75.9	24.4	85.8	29.9	102	38.9	65.9	18.8	54	12.2	1956
Monthly	74.5	23.6	84.5	29.2	102	38.9	64.5	18.1	49	9.4	1977*

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

# DAILY AVERAGE/EXTREME TEMPERATURES

25 DAILY AVERAGE/EXTREME TEMP MAR 1978

14780

LAKEHURST, N.J.

1945-1977

AUGUST

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				AVERAGE				MINIMUM TEMP			
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME		AVERAGE		EXTREME	
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C
1	75.2	24.0	84.6	29.2	95	35.0	1975*	65.7	18.7	34	12.2	1964		
2	73.7	23.2	82.6	28.1	101	38.3	1955	64.7	18.2	35	12.8	1976*		
3	73.7	23.2	83.0	28.3	98	36.7	1975	64.4	18.0	34	12.2	1959*		
4	72.8	22.7	82.1	27.8	94	34.4	1955	63.5	17.5	32	11.1	1964		
5	72.6	22.6	81.7	27.6	99	37.2	1955	63.4	17.4	49	9.4	1951		
6	72.1	22.3	82.2	27.9	95	35.0	1955	62.1	16.7	30	10.0	1972		
7	73.0	22.8	82.7	28.2	97	36.1	1955	63.3	17.4	34	12.2	1950		
8	73.7	23.2	83.2	28.4	91	32.8	1973*	64.3	17.9	33	11.7	1950		
9	74.2	23.4	83.5	28.6	97	36.1	1949	64.8	18.2	35	12.8	1964		
10	74.2	23.4	83.1	28.4	99	37.2	1949	65.3	18.5	32	11.1	1964		
11	73.6	23.1	83.5	28.6	98	36.7	1949	63.8	17.7	31	10.6	1972		
12	72.8	22.7	83.1	28.4	93	33.9	1949	62.6	17.0	32	11.1	1974		
13	72.3	22.4	81.5	27.5	96	35.6	1947	63.2	17.3	32	11.1	1971		
14	72.7	22.6	82.7	28.2	93	33.9	1947	62.8	17.1	30	10.0	1964*		
15	73.7	23.2	84.4	29.1	97	36.1	1947	63.1	17.3	47	8.3	1964		
16	73.1	22.8	82.7	28.2	95	35.0	1959	63.6	17.6	31	10.6	1972		
17	72.5	22.5	81.1	27.3	95	35.0	1959	64.0	17.8	36	13.3	1976*		
18	71.7	22.1	81.2	27.3	92	33.3	1956	62.2	16.8	33	11.7	1961*		
19	71.5	21.9	81.3	27.4	92	33.3	1954	61.6	16.4	30	10.0	1963		
20	72.1	22.3	82.1	27.8	93	33.9	1959*	62.2	16.8	49	9.4	1949		
21	71.6	22.0	81.8	27.7	97	36.1	1955	61.4	16.3	47	8.3	1949		
22	72.2	22.3	81.7	27.6	92	33.3	1976*	62.6	17.0	30	10.0	1969		
23	70.3	21.3	79.9	26.6	95	35.0	1964	60.6	15.9	48	8.9	1952		
24	70.1	21.2	79.9	26.6	93	33.9	1947	60.2	15.7	48	8.9	1952		
25	71.4	21.9	82.0	27.8	93	33.9	1968*	60.8	16.0	49	9.4	1971		
26	72.2	22.3	82.9	28.3	101	38.3	1948	61.5	16.4	49	9.4	1977		
27	73.1	22.8	83.4	28.6	99	37.2	1948	62.8	17.1	32	11.1	1963		
28	73.7	23.2	84.0	28.9	102	38.9	1948	63.4	17.4	30	10.0	1968		
29	74.1	23.4	84.7	29.3	96	35.6	1953	63.6	17.6	48	8.9	1963		
30	74.3	23.5	84.6	29.2	101	38.3	1953	64.0	17.8	49	9.4	1963		
31	73.5	23.1	83.2	28.4	100	37.8	1953	63.8	17.7	42	5.6	1976		
Monthly	72.8	22.7	82.6	28.1	102	38.9	1948	63.1	17.3	42	5.6	1976		

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1975

14780

LAKEHURST, N.J.

1945-1977

SEPTEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		DATE		AVERAGE		MINIMUM TEMP		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C	° F	° C			° F	° C	° F	° C				
1	72.0	22.2	61.6	27.6	97	36.1	100	37.8	1953		62.3	16.8	43	6.1	1949		1949	
2	71.2	21.8	60.6	27.0	100	37.8	98	36.7	1953		61.7	16.5	43	6.1	1949		1949	
3	70.3	21.3	79.7	26.5	98	36.7	93	33.9	1964		60.8	16.0	38	3.3	1949		1949	
4	69.7	20.9	79.8	26.6	93	33.9	90	32.2	1973*		59.6	15.3	35	1.7	1949		1949	
5	69.5	20.8	78.7	25.9	90	32.2	90	32.2	1973		60.4	15.8	35	1.7	1949		1949	
6	68.5	20.3	77.8	25.4	90	32.2	90	32.2	1969		59.2	15.1	30	-1.1	1949		1949	
7	68.2	20.1	78.6	25.9	90	32.2	91	32.8	1946		57.7	14.3	39	3.9	1949		1949	
8	68.4	20.2	79.0	26.1	91	32.8	92	33.3	1964		57.7	14.3	43	6.1	1949		1949	
9	68.2	20.1	78.5	25.8	92	33.3	93	33.9	1965		58.0	14.4	46	7.8	1956*		1956*	
10	68.8	20.4	79.0	26.1	93	33.9	93	33.9	1964		58.7	14.8	43	6.1	1975		1975	
11	67.6	19.8	77.6	25.3	93	33.9	92	33.3	1952		57.6	14.2	46	7.8	1969		1969	
12	66.6	19.2	76.6	24.8	92	33.3	95	35.0	1952		56.6	13.7	42	5.6	1958		1958	
13	66.6	19.2	77.6	25.3	95	35.0	90	32.2	1976		55.7	13.2	43	6.1	1967		1967	
14	66.8	19.3	76.7	24.8	90	32.2	91	32.8	1970		56.9	13.8	42	5.6	1975		1975	
15	65.9	18.8	75.8	24.3	91	32.8	90	32.2	1947		55.9	13.3	39	3.9	1949		1949	
16	65.7	18.7	75.4	24.1	91	32.8	90	32.2	1972*		56.1	13.4	35	1.7	1949		1949	
17	65.2	18.4	74.3	23.5	90	32.2	88	31.1	1965		55.5	13.1	31	-0.6	1949		1949	
18	65.2	18.4	75.0	23.9	88	31.1	89	31.7	1946		56.7	13.7	40	4.4	1959		1959	
19	66.3	19.1	76.0	24.4	89	31.7	88	31.1	1965		56.7	13.7	39	3.9	1949		1949	
20	65.4	18.6	74.1	23.4	88	31.1	91	32.8	1965		55.2	12.9	32	0.0	1949		1949	
21	63.9	17.7	72.7	22.6	91	32.8	93	33.9	1970		53.3	11.8	40	4.4	1962		1962	
22	63.6	17.6	73.9	23.3	93	33.9	92	33.3	1970		52.7	11.5	38	3.3	1947		1947	
23	62.4	16.9	72.2	22.3	92	33.3	90	32.2	1968*		51.6	10.9	36	2.2	1974		1974	
24	61.5	16.4	71.4	21.9	90	32.2	91	32.8	1970		51.7	10.9	36	2.2	1950		1950	
25	61.4	16.3	71.1	21.7	91	32.8	91	32.8	1970		51.8	11.0	38	3.3	1963		1963	
26	62.6	17.0	73.4	23.0	91	32.8	84	28.9	1946		51.5	10.8	34	1.1	1957		1957	
27	61.9	16.6	72.3	22.4	84	28.9	86	30.0	1954*		53.4	11.9	36	2.2	1957		1957	
28	62.5	16.9	71.5	21.9	86	30.0	88	31.1	1945		50.9	10.5	32	0.0	1949		1949	
29	60.7	15.9	70.4	21.3	88	31.1	86	30.0	1953		49.6	9.8	32	0.0	1949		1949	
30	59.6	15.3	69.6	20.9	86	30.0												
31																		
Monthly	65.9	18.8	75.7	24.3	100	37.8			1953		56.1	13.4	30	-1.1	1949		1949	

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MONTHLY 1978

14780

LAKEHURST, N.J.

1945-1977

OCTOBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP		MINIMUM TEMP		DATE
	AVERAGE °F	AVERAGE °C	AVERAGE °F	EXTREME °F	AVERAGE °F	EXTREME °F	
1	60.1	15.6	69.7	83	50.5	32	1954
2	60.5	15.8	70.8	85	50.2	36	1952*
3	59.8	15.4	70.3	86	49.3	32	1968*
4	57.9	14.4	68.2	87	47.5	30	1954
5	59.0	15.0	69.8	86	48.1	33	1967
6	59.1	15.1	69.9	90	48.2	32	1959
7	58.8	14.9	69.2	85	48.4	35	1963*
8	57.8	14.3	68.0	83	47.7	33	1959
9	58.1	14.5	67.7	83	48.4	34	1959
10	57.1	13.9	67.0	85	47.2	34	1958
11	56.7	13.7	66.6	85	46.8	31	1954
12	56.8	13.8	67.4	87	46.2	31	1954
13	55.7	13.2	66.1	90	45.3	33	1954
14	56.8	13.8	67.7	84	45.8	34	1975
15	58.5	14.7	70.0	84	47.0	32	1975
16	57.2	14.0	68.3	84	46.0	33	1958*
17	56.5	13.6	66.6	81	46.3	34	1968*
18	55.5	13.1	66.4	79	44.6	31	1968*
19	53.7	12.1	63.7	83	43.7	25	1963*
20	53.3	11.8	63.4	79	43.3	26	1969*
21	52.8	11.6	63.2	86	42.3	22	1967
22	53.7	12.1	63.9	80	43.5	29	1975
23	55.3	12.9	65.2	84	45.4	27	1947
24	54.1	12.3	63.7	82	44.5	17	1946
25	52.3	11.3	61.2	77	43.4	30	1963
26	52.3	11.3	61.7	77	43.0	29	1963
27	52.6	11.4	62.3	83	42.8	27	1963
28	52.2	11.2	62.0	78	42.3	24	1971*
29	52.3	11.3	62.3	78	42.3	28	1971*
30	50.8	10.4	60.8	83	40.9	27	1946
31	52.8	11.6	62.4	83	43.2	25	1946
Monthly	55.8	13.2	66.0	90	45.6	17	1959*

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

14780

LAKEHURST, N.J.

1949-1977

NOVEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP		MINIMUM TEMP		DATE
	AVERAGE ° F	AVERAGE ° C	AVERAGE ° F	EXTREME ° F	AVERAGE ° F	EXTREME ° F	
1	52.3	11.3	60.7	83	43.9	27	1950
2	53.4	11.9	62.3	83	44.6	27	1950
3	52.8	11.6	61.4	77	44.3	26	1961
4	50.8	10.4	59.1	78	42.5	26	1961
5	48.5	9.2	57.5	81	39.6	25	1961
6	47.6	8.7	56.5	80	38.7	25	1974
7	48.4	9.1	57.6	76	39.2	26	1975
8	48.3	9.1	57.0	76	39.5	23	1975
9	47.7	8.7	56.3	75	39.0	23	1975
10	47.2	8.4	55.5	72	38.9	24	1948
11	45.6	7.6	55.0	72	36.3	21	1949
12	47.2	8.4	57.2	75	37.2	23	1964
13	46.6	8.1	54.9	74	38.3	26	1945
14	46.6	8.1	56.0	72	37.2	24	1955
15	46.3	7.9	55.8	79	36.8	21	1974
16	47.5	8.6	57.4	74	37.7	19	1951
17	46.6	8.1	55.5	69	37.7	18	1953
18	44.8	7.1	53.3	75	36.2	22	1963
19	44.3	6.8	53.7	71	34.9	24	1953
20	43.2	6.2	52.6	75	33.8	19	1948
21	42.2	5.7	51.2	68	33.1	19	1953
22	42.2	5.7	50.9	70	33.4	18	1953
23	41.5	5.3	50.8	67	32.1	16	1963
24	42.6	5.9	51.9	68	33.3	20	1968*
25	41.4	5.2	50.8	74	32.0	20	1973
26	42.8	6.0	51.8	73	33.7	22	1946
27	43.4	6.3	52.5	68	34.3	18	1959
28	43.1	6.2	52.3	71	33.9	17	1973
29	40.8	4.9	49.2	70	32.4	15	1974
30	37.5	3.1	45.1	72	29.9	14	1974
31							
Monthly	45.8	7.7	54.8	83	36.8	14	1950
					2.7		1976

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

525 DAILY AVERAGE/EXTREME TEMP MAR 1978

14780

LAKEHURST, N.J.

1945-1977

DECEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP				DATE
	° F	° C	AVERAGE	° F	° C	EXTREME	AVERAGE	° F	° C	EXTREME	
1	35.5	1.9	43.8	6.6	6.6	63	17.2	17.2	1962	27.2	1976
2	36.5	2.5	45.4	7.4	7.4	64	17.8	17.8	1970	27.5	1946
3	38.8	3.8	48.2	9.0	9.0	69	20.6	20.6	1930	29.3	1976
4	39.1	3.9	47.8	8.8	8.8	68	20.0	20.0	1973	30.5	1976*
5	39.7	4.3	48.2	9.0	9.0	65	18.3	18.3	1973	31.2	1966
6	39.4	4.1	47.8	8.8	8.8	66	18.9	18.9	1951	30.9	1954
7	39.2	4.0	47.8	8.8	8.8	73	22.8	22.8	1956*	30.7	1954
8	39.1	3.9	47.5	8.6	8.6	71	21.7	21.7	1966	30.6	1970
9	38.7	3.7	46.9	8.3	8.3	73	22.8	22.8	1966	30.5	1976*
10	36.9	2.7	44.7	7.1	7.1	73	22.8	22.8	1966	29.0	1968
11	35.9	2.2	44.4	6.9	6.9	67	19.4	19.4	1971	27.4	1958
12	36.4	2.4	44.0	6.7	6.7	61	16.1	16.1	1949*	28.8	1977*
13	36.5	2.5	44.9	7.2	7.2	64	17.8	17.8	1946	28.1	1960
14	35.1	1.7	43.0	6.1	6.1	59	15.0	15.0	1953	27.1	1976
15	34.1	1.2	42.1	5.6	5.6	69	20.6	20.6	1971	26.2	1962
16	33.5	0.8	41.0	5.0	5.0	70	21.1	21.1	1971	26.0	1961
17	32.7	0.4	41.0	5.0	5.0	56	13.3	13.3	1966*	24.5	1951
18	33.2	0.7	41.8	5.4	5.4	62	16.7	16.7	1949	24.5	1951
19	32.2	0.1	40.1	4.5	4.5	59	15.0	15.0	1957	24.2	1973*
20	33.2	0.7	41.6	5.3	5.3	61	16.1	16.1	1957	24.8	1955
21	33.4	0.8	41.3	5.2	5.2	60	15.6	15.6	1951	25.5	1955
22	32.2	0.1	39.4	4.1	4.1	64	17.8	17.8	1949	25.1	1958*
23	32.7	0.4	41.4	5.2	5.2	60	15.6	15.6	1957*	24.1	1960
24	33.0	0.6	39.8	4.3	4.3	57	13.9	13.9	1957	26.1	1960*
25	32.9	0.5	41.4	5.2	5.2	68	20.0	20.0	1964	24.3	1975
26	33.7	0.9	41.8	5.4	5.4	65	18.3	18.3	1964	25.7	1948
27	31.7	-0.2	39.5	4.2	4.2	65	18.3	18.3	1949	23.9	1948
28	33.7	0.9	42.4	5.8	5.8	64	17.8	17.8	1954*	24.9	1950
29	33.1	0.6	40.9	4.9	4.9	59	15.0	15.0	1954	25.3	1977
30	33.4	0.8	42.1	5.6	5.6	61	16.1	16.1	1971	24.8	1962
31	32.3	0.2	40.5	4.7	4.7	66	18.9	18.9	1965	24.2	1962
Monthly	33.1	1.7	43.3	6.3	6.3	73	22.8	22.8	1966*	26.9	1962

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



# EXTREME VALUES

MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

14780

LAKEHURST, NEW JERSEY

STATION

YEARS

45-77

## WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45			89	85	90	99	97	93	91	83	76	59	
46	68	68	80	83	89	93	98	90	91	86	73	72	98
47	71	52	64	80	89	92		97	91	86		63	
48	46	64		80	90	93	93	102	92	78	78	60	
49	66	76	80	80		97	99	99	82		72		
50	76	53	69	80	89	95	96	93	90	85	83	69	96
51	70	71	65	84	90	91	95	91	91	85	74	73	95
52	65	54	71	83	87	100	99	92	95	85	70	60	100
53	66	68	67	88	88	95	100	101	100	80	74	63	101
54	64	76	74	87	84	93	102	92	90	90	68	64	102
55	53	61	73	84	90	91	102	101	85	82	72	57	102
56	54	62	66	86	93	99	94	92	89	80	73	73	99
57	65	66	77	88	91	96	100	94	94	78	68	61	100
58	56	51	55	82	84	94	96	92	90	83	68	57	96
59	62	58	71	86	92	97	93	95	91	90	77	59	97
60	63	66	78	89	82	90	92	93	87	81	71	63	93
61	57	71	76	86	87	94	94	92	94	80	81	59	94
62	59	67	77	89	95	93	93	92	90	84	61	63	95
63	62	55	78	81	90	97	96	89	86	85	75	56	97
64	57	54	76	84	93	97	96	95	93	77	75	68	97
65	59	60	63	78	94	96	93	90	93	78	70	66	96
66	61	59	69	76	86	95	100	91	90	79	71	73	100
67	70	65	72	83	81	93	92	89	84	86	70	63	93
68	56	52	78	80	83	93	98	94	92	86	74	63	98
69	53	42	73	86	92	98	92	91	92	79	70	61	98
70	57	58	69	81	90	90	92	92	93	82	66	65	93
71	57	71	72	78	89	92	93	90	89	79	78	70	93
72	61	65	78	84	84	87	94	92	90	71	67	62	94
73	67	60	71	86	82	93	92	96	93	82	77	68	96
74	68	62	75	89	90	96	95	91	89	80		61	
MEAN													
S. D.													
TOTAL OBS.													

**MAXIMUM TEMPERATURE**  
(FROM DAILY OBSERVATIONS)

16780	LAKEHURST, NEW JERSEY	45-77
STATION	STATION NAME	YEARS

YEARS

WHOLE DEGREES FAHRENHEIT

[illegible]





# EXTREME VALUES

MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

14720 STATION LAKEHURST, NEW JERSEY 45-77 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45			25	31	40	40	50	54	47	32	22	5	
46	10	10	20	30	40	46	52	52	47	37	24	12	10
47	10	4	13	25	32	45	54	55	35	32		11	
48	4-	3	29	29	36	43	54	54	44	27	28	4	
49	19	12	15	32		46	56	47	30	32	18	4	4
50	15	7	7	24	39	44	52	51	36	36	23		4
51	15	9	22	33	39	45	54	49	35	36	17	4	4
52	3	16	15	31	40	51	52	48	45	22	22	13	3
53	20	15	16	33	43	48	53	54	41	33	26	11	11
54	0	8	18	22	37	45	53	52	44	34	23	12	0
55	6	1-	17	33	39	48	58	54	43	35	15	5	1-
56	12	13	16	27	36	46	54	52	39	34	20	14	12
57	0	17	21	29	34	45	52	50	34	32	24	11	0
58	9	5	26	29	40	40	59	52	40	33	17	6	5
59	8	7	19	33	39	49	53	54	39	29	22	7	7
60	16	17	10	30	36	47	54	51	46	32	23	3	3
61	1-	7-	15	28	37	47	55	50	39	30	26	10	7-
62	9	1	10	24	36	49	53	53	37	27	26	2	1
63	1	0	25	33	35	47	54	50	38	36	27	3	0
64	4	13	23	20	40	45	55	47	42	30	16	12	4
65	0	5	14	24	43	48	52	46	41	28	24	14	0
66	4	5	18	25	31	45	53	56	41	25	26	9	4
67	10	1-	3	28	36	42	56	56	39	29	18	15	1-
68	1-	5	16	27	37	46	51	50	46	27	23	8	1-
69	5	12	15	20	38	44	56	50	40	17	18	13	5
70	2	5	19	27	35	49	57	53	40	33	20	9	2
71	2	1-	22	27	37	50	49	49	45	39	23	15	1-
72	3	8	17	24	37	40	53	50	42	25	18	16	3
73	8	4	26	31	38	52	54	52	46	34	21	11	4
74	7	8	18	28	34	49	50	52	36	26		21	
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

14780	LAKEHURST, NEW JERSEY
STATION	STATION NAME

45-77

**YEARS**

WHOLE DEGREES FAHRENHEIT

[illegible]

193971

**LAKEHURST, NEW JERSEY**

45-77

**YEARS**

## EXTREME VALUES

MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

WHOLE DEGREES FAHRENHEIT  
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

5723 Extreme Values Jan 1969



# PSYCHROMETRIC SUMMARY

14780

LAKEHURST, NEW JERSEY

73-77

JAN

YEARS

STATION NAME

PAGE 1

HOURS (L.S.T.)

PSYCHROMETRIC SUMMARY

JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL					
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
68/ 67							.1											2	2						
66/ 65							.1											4	4						
64/ 63		.2	.1	.1			.1											4	4						
62/ 61		.4					.1		.1									9	9	3					
60/ 59	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	7	7	7	5				
58/ 57	.1	.5	.2	.2	.2	.2	.1	.1	.1									13	13	5	7				
56/ 55	.1	.7	.2	.3	.3	.2	.1	.1	.1									19	19	10	5				
54/ 53	.4	.4	.4	.1	.1	.2												9	9	17	12				
52/ 51		.4	.1	.1	.1	.3	.2	.1	.1									13	13	11	11				
50/ 49		.4	.3	.1	.1	.5	.3											17	17	9	5				
48/ 47		.4	.4	.7	.7	.8	.2											28	28	13	7				
46/ 45		.8	.4	.8	.4	.4	.1											28	28	12	11				
44/ 43	.4	.9	.8	.7	.7	.6	.1											39	39	27	13				
42/ 41	.3	1.4	.9	1.8	.4	.4	.2											56	56	40	12				
40/ 39	.9	1.7	1.5	2.3	.3	.3												75	75	54	38				
38/ 37	.1	1.9	1.4	1.6	.1	.1												57	57	54	22				
36/ 35	.3	2.2	2.0	1.2	.1	.1												64	64	66	31				
34/ 33	.6	2.0	2.6	1.1	.2	.2												72	72	85	48				
32/ 31	1.5	3.0	3.1	.8	.4	.4												99	99	83	71				
30/ 29	.3	3.0	1.9	.4	.1	.1												64	64	81	62				
28/ 27	.9	2.8	2.3	1.0	.1	.1												79	79	87	63				
26/ 25	.4	2.2	2.1	.1	.1	.1												53	53	69	69				
24/ 23	.4	2.5	2.3	.3	.3	.3												61	61	68	80				
22/ 21	.6	2.1	1.9	.1	.1	.1												52	52	57	64				
20/ 19	.4	1.7	1.8															43	43	59	74				
18/ 17	.4	1.8	.9															34	34	55	46				
16/ 15	.4	2.0	.8															35	35	37	48				
14/ 13	.4	1.6	.5															28	28	37	29				
12/ 11	.1	1.2	.3															17	17	23	40				
10/ 9	.1	.7	.2															11	11	18	44				
8/ 7		.5	.1															6	6	9	45				
6/ 5		.7	.1															9	9	9	49				
4/ 3		.3																3	3	7	20				
2/ 1		.1																1	1	2	21				
Element (X)	Σ X											̄ X	σ x	Mean No. of Hours with Temperature											Total
Rel. Hum.														≥ 67 F   ≥ 73 F   ≥ 80 F   ≥ 93 F											Total
Dry Bulb																									
Wet Bulb																									
Dew Point																									

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

14780

**LAKEHURST, NEW JERSEY**

73-77

**JAN**

STATION

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

YEARS

**MONTH**

**PAGE 2**

HOURS (L.S.T.)

[illegible]

NAVWEASERVCOM

# PSYCHROMETRIC SUMMARY

5000 PSYCHROMETRIC SUMMARY JAN 68

14780 LAKEHURST, NEW JERSEY

73-77

FEB

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
74/ 73												.1						1	1			
72/ 71										.1								1	1			
68/ 67										.1								2	2			
66/ 65										.1								3	3			
64/ 63										.1								6	6			
62/ 61										.1								6	6	1		
60/ 59		.2	.2	.2	.1	.3	.1	.2	.2	.2								11	11	2	1	
58/ 57	.1	.4	.2	.2	.2	.1	.4	.4	.3	.2								20	20	4	1	
56/ 55		.6	.3	.1	.1	.4	.4	.4	.4	.2								17	17	10	8	
54/ 53		.4	.4	.3	.1	.4	.4	.4	.4	.2								20	20	12	6	
52/ 51	.1	.5	.2	.2	.2	.4	.3	.3	.3	.1								20	20	12	7	
50/ 49		.5	.3	.5	.5	1.1	.2	.3	.3	.1								30	30	16	7	
48/ 47		.8	.5	.5	.8	1.6	1.0	.3	.2	.4								49	49	22	9	
46/ 45		1.1	.5	.5	.2	1.2	.3	.4										37	37	30	12	
44/ 43		.6	.5	.5	1.2	1.5	.3											43	43	38	13	
42/ 41	.3	.8	.5	.5	.6	1.4	.3											39	39	35	15	
40/ 39	.2	.9	1.2	2.2	2.2	1.1	.7											63	63	47	19	
38/ 37	.2	1.6	1.7	2.1	2.1	1.2	.1											69	69	56	28	
36/ 35	.5	1.2	1.8	1.9	1.1	.1												60	60	59	23	
34/ 33	.5	2.2	2.1	2.1	.4													73	73	80	43	
32/ 31	.3	2.1	1.3	1.5	.2													54	54	92	49	
30/ 29	.1	2.4	2.1	1.1	.1													58	58	65	54	
28/ 27	.3	1.5	2.2	1.0														50	50	70	69	
26/ 25	1.3	.5	3.9	.4														62	62	65	66	
24/ 23	.3	2.1	2.5	.3														32	32	57	70	
22/ 21	.6	2.1	1.6	.3														43	43	65	52	
20/ 19	.2	2.3	1.0	.1														36	36	60	46	
18/ 17	.4	1.7	.6															27	27	31	45	
16/ 15	.2	1.2	.4															18	18	30	70	
14/ 13	.4	.8	.2															14	14	20	69	
12/ 11	.2	.6	.2															10	10	12	53	
10/ 9	.3	.5																8	8	13	47	
8/ 7	.1	.2																3	3	5	44	
6/ 5	.1	.5																6	6	5	29	
Element (X)	$\Sigma X$											$\bar{X}$	$\sigma_x$					Mean No. of Hours with Temperature				
Rel. Hum.																		≥ 0 F				
Dry Bulb																		≥ 32 F				
Wet Bulb																		≥ 67 F				
Dew Point																		≥ 73 F				
																		≥ 80 F				
																		≥ 93 F				
																		Total				

NAWWEASERVCOM





# PSYCHROMETRIC SUMMARY

5700

PSYCHROMETRIC SUMMARY

JAN 68

5700

5700

14780 LAKEHURST, NEW JERSEY

73-77

MAR

YEARS

STATION NAME

STATION

NORTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL								
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Wet Bulb	Dew Point								
84/ 83									.1	.1	.1							1	1									
82/ 81									.1	.1	.1							2	2									
80/ 79							.1	.1	.1	.1	.1							1	1									
78/ 77							.1	.1	.1	.1	.1							2	2									
76/ 75					.1			.1	.1	.1	.1							3	3									
72/ 71							.1	.1	.1	.1	.1							3	3									
70/ 69						.1	.1	.1	.1	.1	.1	.1						5	5									
68/ 67				.1	.2	.2	.2	.4	.4	.4	.4	.1						12	12	1								
66/ 65		.1	.2	.4	.4	.4	.4	.4	.4	.4	.4	.1						25	25	4								
64/ 63			.2	.4	.4	.4	.4	.4	.4	.4	.4	.1						14	14	2								
62/ 61		.2	.3	.4	.4	.4	.4	.4	.4	.4	.4	.1						17	17	3								
60/ 59		.2	.3	.4	.4	.4	.4	.4	.4	.4	.4	.1						14	14	4								
58/ 57	.1	.8	.5	.4	.4	.2	1.0	.3	.4	.2	.2	.1						44	44	9								
56/ 55	.4	.6	.3	.4	.4	.4	.4	.5	.2	.1	.1							36	36	12								
54/ 53	.3	.6	.3	.4	.4	.4	.4	.5	.2	.1	.1							44	44	28								
52/ 51	.1	.9	.4	.4	.4	.4	.4	.6	.3	.2	.2							43	43	27								
50/ 49	.6	.6	.4	.4	.4	.4	.4	.6	.3	.2	.2							56	56	16								
48/ 47	.5	1.3	.7	.8	.8	.9	1.4	.5	.4	.2	.2							71	71	32								
46/ 45	1.2	1.6	1.8	1.3	.8	1.5	.4	.5	.1	.1	.1							92	92	35								
44/ 43	1.2	1.9	1.6	1.0	2.1	1.0	.4	.5	.1	.1	.1							74	74	29								
42/ 41	1.2	1.7	1.0	1.5	1.7	.4	.4	.5	.1	.1	.1							97	97	26								
40/ 39	2.2	1.5	1.3	2.4	1.8	.2	.2	.3	.4	.2	.2							84	84	43								
38/ 37	.6	.9	2.1	2.4	1.1		.1	.2	.4	.1	.1							104	104	61								
36/ 35	.5	.9	2.2	1.9	1.2	.1		.1	.4	.1	.1							79	79	75								
34/ 33	.4	1.6	1.4	1.1	.3			.3	.8	.2	.2							75	75	58								
32/ 31	.3	1.4	.9	.8	.2			.2	.2	.2	.2							54	54	61								
30/ 29	.1	.8	1.1	.8	.1			.1	.4	.1	.1							40	40	46								
28/ 27	.3	1.0	1.0	.4				.1	.4	.1	.1							32	32	50								
26/ 25	.1	.1	.8	.1				.1	.4	.1	.1							30	30	77								
24/ 23		.4	.7	.1				.1	.4	.1	.1							12	12	71								
22/ 21		.6	.4					.1	.4	.1	.1							14	14	76								
20/ 19		.2	.3					.1	.4	.1	.1							12	12	61								
18/ 17								.1	.4	.1	.1							5	5	58								
16/ 15			.2						.1	.1	.1							2	2	41								
																		8	8	31								
Element (X)	ΣX <sup>2</sup>																	ΣX	X̄	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Hum.																						≥ 73 F	≥ 80 F	≥ 93 F				
Dry Bulb																												
Wet Bulb																												
Dew Point																												

NAWFEASERVCOM

73-77

YEARS

**PAGE 2**

HOURS (L.S.Y.)

[illegible]

NAVWEASERVCOM



# PSYCHROMETRIC SUMMARY

14780

LAKEHURST, NEW JERSEY

73-77

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (L.S.T.)

1478 2097-54321

PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥31	Dry Bulb	Wet Bulb	Dew Point		
92/ 91																		2	2				
90/ 89														.1				1	1				
88/ 87														.3				4	4				
86/ 85														.3				10	10				
84/ 83																		3	3				
82/ 81														.1				6	6				
80/ 79																		10	10				
78/ 77														.1				9	9				
76/ 75								.1	.1	.1	.1	.1	.1	.2				13	13				
74/ 73							.1	.1	.1	.1	.1	.1	.2	.2				13	13				
72/ 71						.1	.2	.2	.1	.1	.1	.1	.2	.2				17	17				
70/ 69					.1	.3	.5	.2	.1	.1	.1	.1	.3	.3				24	24				
68/ 67							.7	.1	.1	.1	.1	.1	.2	.2	.1			20	20				
66/ 65							.5	.4	.2	.2	.2	.2	.5	.2				26	26				
64/ 63							.6	.3	.4	.4	.6	.6	.6	.5				44	44				
62/ 61							.1	.4	.4	.4	.6	.6	.6	.1				43	43				
60/ 59							.5	.5	.5	.5	.9	.9	.5					54	54				
58/ 57							.5	.5	.5	.5	.9	.9	.1					59	59				
56/ 55							.4	.4	.4	.4	.8	.9	.1					64	64				
54/ 53							.7	.7	.7	.7	.5	.6						56	56				
52/ 51							.7	.7	.7	.7	.5	.6						63	63				
50/ 49							.4	.4	.4	.4	.6	.1						76	76				
48/ 47							.6	.6	.6	.6	.2							98	98				
46/ 45							.6	.6	.6	.6	.2	.1						83	83				
44/ 43							.4	.4	.4	.4	.6							114	114				
42/ 41							.4	.4	.4	.4	.1							72	72				
40/ 39							.2	.2	.2	.2	.1							50	50				
38/ 37							.3	.3	.3	.3	.2							36	36				
36/ 35							.3	.3	.3	.1								34	34				
34/ 33							.2	.2	.2	.1								18	18				
32/ 31							.1	.1	.1	.1								31	31				
30/ 29							.1	.1	.1	.1								23	23				
28/ 27							.3	.3	.3	.2								11	11				
26/ 25							.3	.3	.3	.2								3	3				
Element (X)																	Mean No. of Hours with Temperature						
Rel. Hum.																	≥ 80 F				≥ 93 F		Total
Dry Bulb																							
Wet Bulb																							
Dew Point																							

## PSYCHROMETRIC SUMMARY

14780

**LAKEHURST, NEW JERSEY**

73-77

**APR**

STATION

STATION NAME

YEARS

**MONTH**

**PAGE 2**

**PAGE 2**

HOURS (L.S.T.)

[illegible]

# PSYCHROMETRIC SUMMARY

14780 LAKEHURST, NEW JERSEY 73-77

MAY

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point				
92/ 91											.1	.2						1	1					
90/ 89											.3	.2	.2					7	7					
88/ 87									.2		.1	.1						3	3					
86/ 85									.1	.3	.2	.2						4	4					
84/ 83									.3	.3	.2	.1						10	10					
82/ 81					.2				.4	.4	.4	.1	.1					16	16					
80/ 79				.2	.3	.2			.4	.4	.4	.3						18	18					
78/ 77			.1	.1	.4	.4			.3	.3	.3	.1						30	30					
76/ 75			.2	.4	.4	.4			.4	.4	.4	.1						35	35					
74/ 73			.3	.6	.8	.8			.4	.4	.4	.2						47	47	5				
72/ 71	.1	.4	.4	.4	.5	.8			.4	.4	.4	.3						56	56	13				
70/ 69	.4	.4	1.2	1.1	.2	.4			.4	.4	.4	.1						61	61	26				
68/ 67	.4	1.1	1.7	1.1	.4	.6			.8	1.1	.3							72	72	46				
66/ 65	.4	1.1	1.4	.6	.5	.3			.8	.8	.4							73	73	60				
64/ 63	.4	1.3	1.9	.5	.3	1.2			.9	.4	.1							73	73	64				
62/ 61	.9	2.2	2.1	1.2	.8	.9			.5	.4	.3							89	89	68				
60/ 59	1.0	2.2	1.1	1.2	1.0	.6			.8	.4	.3							81	81	56				
58/ 57	1.0	2.1	1.0	.8	.9	.8			.5	.4	.3							87	87	80				
56/ 55	.6	2.6	1.3	1.3	.8	.6			.4	.3	.1							91	91	72				
54/ 53	1.2	2.3	2.1	1.3	.6	.4			.4	.3	.1							91	91	76				
52/ 51	1.0	2.0	.9	1.3	.7	.4			.4	.1	.1							71	71	80				
50/ 49	.5	.9	.9	.6	.5	.2			.4	.1	.1							41	41	70				
48/ 47	1.7	1.4	.7	.7	.4				.4	.4	.4							47	47	69				
46/ 45	1.6	.5	.7	.7	.2				.4	.4	.4							32	32	62				
44/ 43	.3	.5	.4	.1	.2				.4	.4	.4							17	17	89				
42/ 41		.5	.4	.2	.1				.4	.4	.4							6	6	76				
40/ 39		.6	.1	.1	.1				.4	.4	.4							9	9	55				
38/ 37		.1							.4	.4	.4							1	1	43				
36/ 35		.1							.4	.4	.4							1	1	37				
34/ 33									.4	.4	.4							2	2	31				
32/ 31									.4	.4	.4									19				
30/ 29									.4	.4	.4									18				
28/ 27									.4	.4	.4									10				
26/ 25									.4	.4	.4									3				
Element (X)	Mean No. of Hours with Temperature																Total							
Rel. Hum.	≥ 32 F																≥ 80 F				≥ 93 F			
Dry Bulb	≥ 0 F																≥ 73 F				≥ 80 F			
Wet Bulb																								
Dew Point																								

NAVWEASERVCOM



73-77

YEARS

**PAGE 2**

**PAGE 2**

HOURS (L.S.T.)

[illegible]

NAVWEASERVCOM

# PSYCHROMETRIC SUMMARY

5700 PSYCHROMETRIC SUMMARY JAN 68

14780 LAKEHURST, NEW JERSEY 73-77

JUN

YEARS

STATION NAME

MONT

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb		Wet Bulb	Dew Point
94/ 93									.2	.2	.2	.1	.1					1	1			
92/ 91									.2	.2	.6	.4	.2					8	8			
90/ 89									.2	.2	.6	.4	.2					16	16			
88/ 87								.3	.4	.3	.6							17	17			
86/ 85								.3	.8	.4	.5							21	21			
84/ 83								.6	.9	.5	.5	.1						39	39			
82/ 81					1.0	1.1	.7	.6	.6	.6								44	44			
80/ 79			.1	.1	1.1	.8	.4	.6	.4	.2	.3							43	43			
78/ 77			.2	1.1	1.9	.5	.6	.6	.7	.6	.2							68	68			
76/ 75		.3	1.2	1.6	.8	.8	.9	.6	.5	.2								74	74			
74/ 73	.1	.8	1.9	1.5	1.1	.8	.9	.6	.4	.1								87	87		1	
72/ 71	.3	1.9	1.4	1.3	.4	.4	.3	.3	.4									72	72		2	
70/ 69	1.3	2.4	1.4	1.6	.6	.8	.6	.2	.1									96	96		33	
68/ 67	1.9	2.3	1.6	.7	1.7	.6	.7	.2	.3									109	109		87	
66/ 65	1.6	1.3	1.0	.5	.5	.6	.8	.2										122	122		124	
64/ 63	2.3	2.1	1.0	1.1	.2	.7	.1	.1										73	73		113	
62/ 61	1.4	2.1	1.2	.6	.4	.4	.1											85	85		108	
60/ 59	.5	3.0	1.2	1.0	.2	.2	.1											62	62		83	
58/ 57	.2	2.9	.8	.5	.3	.1												64	64		89	
56/ 55	.3	1.9	.5	.2	.2	.1												51	51		86	
54/ 53	.1	.7	.2	.1	.1													30	30		87	
52/ 51		.3		.1	.1													12	12		72	
50/ 49		.3																4	4		62	
48/ 47	.1																	3	3		47	
46/ 45																		1	1		33	
44/ 43																					20	
42/ 41																					10	
40/ 39																					10	
38/ 37																					3	
36/ 35																					5	
TOTAL	10.0	22.3	13.6	11.9	10.8	7.8	7.7	6.4	4.7	3.3	1.0	.3	.1					1080	1080	1080	1080	
Element (X)		ΣX <sup>2</sup>	ΣX	Σ	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature											Total				
Rel. Hum.		6214298	79124	73.3	19.669	1080	≥ 73 F	≥ 67 F	≥ 62 F	≥ 57 F	≥ 52 F	≥ 47 F	≥ 42 F	≥ 37 F	≥ 32 F	≥ 27 F	≥ 22 F	≥ 17 F	≥ 12 F	≥ 7 F	720.0	
Dry Bulb		5391883	75725	70.1	8.737	1080															.7	720.0
Wet Bulb		4440633	68923	63.8	6.248	1080																720.0
Dew Point		3940839	64739	59.9	7.466	1080																720.0

NAWSEASERVCOM

# PSYCHROMETRIC SUMMARY

14780 LAKEHURST, NEW JERSEY 73-77

JUL  
MONTH  
PAGE 1  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb			
100/ 99																		2	2				
98/ 97												.1	.1					3	3				
96/ 95												.3						3	3				
94/ 93											.1	.1						5	5				
92/ 91											.3	.1						10	10				
90/ 89											.2	.3	.1					31	31				
88/ 87											.4	.4	.4					33	33				
86/ 85											.6	.6	.6					61	61				
84/ 83											.9	.3	.2					69	69				
82/ 81											.2	.1	.1					72	72				
80/ 79											.6	.3	.3					83	83	4			
78/ 77											.4	.1						90	90	11			
76/ 75											.2	.2						114	114	53			
74/ 73											.4	.2						103	103	127			
72/ 71											.3	.2						99	99	162			
70/ 69											.6	.4						92	92	163			
68/ 67											.5	.5						86	86	165			
66/ 65											.4	.3						63	63	132			
64/ 63											.2	.1						40	40	102			
62/ 61											.1							27	27	76			
60/ 59											.2							16	16	57			
58/ 57											.1							5	5	29			
56/ 55											.1							6	6	15			
54/ 53																		2	2	13			
52/ 51																				2			
50/ 49																				1			
48/ 47																				1			
46/ 45																				9			
44/ 43																				5			
42/ 41																				3			
38/ 37																				1			
TOTAL	5.8	16.4	16.0	11.6	9.9	8.5	9.6	7.4	6.6	4.8	2.2	.9	.1	.1				1115	1115	1115			

Element (X)	ΣX <sup>2</sup>	ΣX	X̄	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	5650363	77781	69.8	19.519	1115	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F
Dry Bulb	6358197	83731	75.1	7.950	1115				637.9	453.1	8.7
Wet Bulb	5111169	75267	67.5	5.218	1115				458.4	131.5	
Dew Point	4512271	70533	63.3	6.731	1115				275.6	45.4	

NAWEASERVCOM

Mean No. of Hours with Temperature

No. Obs.

 $\sigma_x$ 
 $\bar{x}$ 
 $\Sigma x$ 
 $\Sigma x^2$ 

Element (X)  
Rel. Hum.  
Dry Bulb  
Wet Bulb  
Dew Point

Total

≥93 F

≥80 F

≥73 F

≥67 F

≥53 F

≤0 F

≤32 F

≤67 F

≤93 F

≥80 F

≥73 F

≥67 F

≥53 F

≤0 F

≤32 F

≤67 F

≤93 F

≥80 F

≥73 F

≥67 F

≥53 F

≤0 F





# PSYCHROMETRIC SUMMARY

14780 PSYCHROMETRIC SUMMARY JAN 68

14780 LAKEHURST, NEW JERSEY

73-77

SEP

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31			
92/ 91							.1	.2	.1	.1								4	4	
90/ 89						.1	.2	.1	.2									6	6	
88/ 87							.3	.3	.3			.1						8	8	
86/ 85								.3	.3		.1	.2						13	13	
84/ 83				.1	.1	.4	.4	.1	.1	.2								11	11	
82/ 81			.1	.1	.3	.4	.3	.5	.3	.3								14	14	
80/ 79			.1	.5	.6	.4	.3	.6	.2	.6								36	36	2
78/ 77			.5	.8	.9	.3	.6	.6	.2	.1	.1							39	39	11
76/ 75		.4	.6	.6	.6	.8	.6	.4	.4	.2	.3							47	47	18
74/ 73		1.2	.7	.9	.9	1.3	.8	.4	.4	.3								65	65	38
72/ 71	.2	1.9	1.9	.8	.8	1.2	.4	.5	.3	.1								77	77	41
70/ 69	1.0	2.2	2.2	.6	.9	.5	.6	.6	.5	.2								94	94	71
68/ 67	.9	1.7	1.9	.8	.8	1.0	.6	.6	.6	.2								92	92	85
66/ 65	1.2	2.4	1.6	1.2	1.4	.7	.5	.2	.2									99	99	104
64/ 63	.9	2.3	1.9	1.0	.6	.6	.4	.3	.3									88	88	91
62/ 61	1.6	2.3	1.4	1.1	1.0	.4	.3											87	87	101
60/ 59	1.9	3.6	1.3	.6	.6	.2	.1											89	89	120
58/ 57	1.0	2.2	1.4	.3	.4	.2												59	59	98
56/ 55	.2	1.6	1.0	.7	.2	.5												42	42	83
54/ 53	.1	1.8	.6	.7	.3	.1												35	35	71
52/ 51	.3	1.4	.6	.4	.1													28	28	61
50/ 49	.4	.8	.4	.4	.1													22	22	54
48/ 47	.1	.3	.1	.1														8	8	36
46/ 45	.1	.3	.3	.3														7	7	46
44/ 43		.3	.1	.1	.1													5	5	30
42/ 41	.1	.1		.2														2	2	14
40/ 39		.1																2	2	10
38/ 37																		1	1	7
36/ 35																				3
34/ 33																				1
32/ 31																				1
TOTAL	9.927	118.8	11.7	11.6	8.0	5.4	3.9	2.1	1.1	.4	.1							1080	1080	1080

Mean No. of Hours with Temperature

No. Obs.

$\sigma_x$

$\bar{x}$

$\sum x$

$\sum x^2$

Element (X)

Total

≥ 93 F

≥ 80 F

≥ 73 F

≥ 67 F

≥ 32 F

≤ 0 F

1080

1080

9.061

65.9

71198

4782264

4067069

3655127

720.0

720.0

720.0

NAWEASERVCOM



# PSYCHROMETRIC SUMMARY

14780

LAKEHURST, NEW JERSEY

73-77

OCT

STATION NAME

YEARS

PAGE 1

HOURS (L.S.T.)

PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL							
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point						
84/ 83										.1	.1							2	2								
82/ 81										.1	.1							2	2								
80/ 79										.1	.1							3	3								
78/ 77									.2	.3	.3							10	10								
76/ 75				.1	.1	.2	.3	.2	.1	.2	.3							4	4								
74/ 73		.1	.4	.2	.4	.5	.3	.6	.2	.2	.1							10	10								
72/ 71		.2	.4	.4	.4	.3	.5	.6	.2	.2	.1							23	23		1						
70/ 69		.4	.6	.7	.4	1.0	.7	.8	.2	.2	.1							37	37		2						
68/ 67		.4	.6	.7	.4	.4	.4	.8	.2	.2	.1							48	48		8						
66/ 65		.4	.6	.7	.4	.4	.4	.8	.2	.2	.1							45	45		14						
64/ 63		.4	.6	.7	.4	.4	.4	.8	.2	.2	.1							47	47		22						
62/ 61		.4	.6	.7	.4	.4	.4	.8	.2	.2	.1							78	78		34						
60/ 59		.4	.6	.7	.4	.4	.4	.8	.2	.2	.1							90	90		53						
58/ 57		.4	.6	.7	.4	.4	.4	.8	.2	.2	.1							103	103		50						
56/ 55		.4	.6	.7	.4	.4	.4	.8	.2	.2	.1							106	106		43						
54/ 53		.4	.6	.7	.4	.4	.4	.8	.2	.2	.1							73	73		55						
52/ 51		.4	.6	.7	.4	.4	.4	.8	.2	.2	.1							73	73		60						
50/ 49		.4	.6	.7	.4	.4	.4	.8	.2	.2	.1							66	66		82						
48/ 47		.4	.6	.7	.4	.4	.4	.8	.2	.2	.1							63	63		72						
46/ 45		.4	.6	.7	.4	.4	.4	.8	.2	.2	.1							51	51		92						
44/ 43		.4	.6	.7	.4	.4	.4	.8	.2	.2	.1							42	42		71						
42/ 41		.4	.6	.7	.4	.4	.4	.8	.2	.2	.1							43	43		65						
40/ 39		.4	.6	.7	.4	.4	.4	.8	.2	.2	.1							26	26		42						
38/ 37		.4	.6	.7	.4	.4	.4	.8	.2	.2	.1							21	21		46						
36/ 35		.4	.6	.7	.4	.4	.4	.8	.2	.2	.1							12	12		24						
34/ 33		.4	.6	.7	.4	.4	.4	.8	.2	.2	.1							11	11		19						
32/ 31		.4	.6	.7	.4	.4	.4	.8	.2	.2	.1							11	11		14						
30/ 29		.4	.6	.7	.4	.4	.4	.8	.2	.2	.1							4	4		15						
28/ 27		.4	.6	.7	.4	.4	.4	.8	.2	.2	.1							7	7		8						
26/ 25		.4	.6	.7	.4	.4	.4	.8	.2	.2	.1							1	1		7						
24/ 23		.4	.6	.7	.4	.4	.4	.8	.2	.2	.1							1	1		1						
22/ 21		.4	.6	.7	.4	.4	.4	.8	.2	.2	.1																
20/ 19		.4	.6	.7	.4	.4	.4	.8	.2	.2	.1																
18/ 17		.4	.6	.7	.4	.4	.4	.8	.2	.2	.1																
Element (X)	$\sum X^2$																	$\bar{X}$	$\sigma_x$	No. Obs.				Mean No. of Hours with Temperature			
Rel. Hum.																											
Dry Bulb																											
Wet Bulb																											
Dew Point																											

NAWEASERVCOM



## PSYCHROMETRIC SUMMARY

14780

**LAKEHURST, NEW JERSEY**

73-77

**120**

**STATION**

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

YEARS

**MONTH**

**PAGE 2**

**HOURS (L.S.Y.)**

[illegible]

NAVWEASERVCOM

# PSYCHROMETRIC SUMMARY

5188

PSYCHROMETRIC SUMMARY JAN 68

73-77

LAKEHURST, NEW JERSEY

14780

NOV

YEARS

STATION NAME

STATION

MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
80/ 79																																					
78/ 77																																					
76/ 75																																					
74/ 73																																					
72/ 71																																					
70/ 69																																					
68/ 67																																					
66/ 65																																					
64/ 63																																					
62/ 61																																					
60/ 59																																					
58/ 57																																					
56/ 55																																					
54/ 53																																					
52/ 51																																					
50/ 49																																					
48/ 47																																					
46/ 45																																					
44/ 43																																					
42/ 41																																					
40/ 39																																					
38/ 37																																					
36/ 35																																					
34/ 33																																					
32/ 31																																					
30/ 29																																					
28/ 27																																					
26/ 25																																					
24/ 23																																					
22/ 21																																					
20/ 19																																					
18/ 17																																					
16/ 15																																					
14/ 13																																					
Element (X)	$\Sigma X^2$											$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature											$\geq 73 F$		$\geq 80 F$		$\geq 93 F$		Total
Rel. Hum.																																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

STATION	14780
---------	-------

**LAKEHURST, NEW JERSEY**

73-77

**AND**

**PAGE 2**

YEARS

HOURS (L.S.T.)

[illegible]



PSYCHROMETRIC SUMMARY

14780 LAKEHURST, NEW JERSEY

73-77

DEC

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
68/ 67							.1											1	1		
66/ 65							.1											2	2		
64/ 63		.3	.1	.3														3	3		
62/ 61	.1	.1	.3	.5	.1													6	6	5	5
60/ 59		.3	.5	.7	.1	.3												11	11	1	1
58/ 57		.9	.5	.1		.2												16	16	6	6
56/ 55		.8	.4	.3	.1	.3												21	21	18	18
54/ 53	.3	1.1	.4		.1	.3												20	20	22	22
52/ 51	.1	1.0	.3	.2	.3	.2												26	26	23	23
50/ 49	.4	.9	.4	1.0	.1	.2	.3											35	35	23	23
48/ 47	.5	1.8	.3	.8	.8	.1	.1											48	48	21	21
46/ 45		1.5	1.0	.6	.8	.4												48	48	33	33
44/ 43	.4	1.9	2.0	1.6	.5	.3												73	73	49	49
42/ 41	.7	1.8	2.2	2.2	.9													86	86	50	50
40/ 39	.5	2.2	2.5	.8	.9													76	76	73	73
38/ 37	.5	2.0	2.5	1.4	.6													76	76	86	86
36/ 35	.5	2.0	3.1	2.0	.1													84	84	83	83
34/ 33	.3	2.3	2.5	1.3	.1													71	71	74	74
32/ 31	.3	2.0	2.7	1.0	.1													67	67	92	92
30/ 29	.2	1.8	2.5	.5														55	55	70	70
28/ 27	.9	2.3	2.0	.4														61	61	77	77
26/ 25	1.2	2.4	1.5	.1														56	56	83	83
24/ 23	.3	1.7	2.3	.4														51	51	51	51
22/ 21	.2	.6	1.5	.2														27	27	39	39
20/ 19	.2	.9	1.0															23	23	32	32
18/ 17	.2	.6	.7															17	17	30	30
16/ 15	.3	.7	.3															14	14	20	20
14/ 13		.8	.3															12	12	19	19
12/ 11		.5																5	5	10	10
10/ 9	.2	.1																3	3	6	6
8/ 7		.4																4	4	2	2
6/ 5																				2	2
4/ 3																					
2/ 1																					
Element (X)	ΣX <sup>2</sup>				ΣX		Σ	σ <sub>x</sub>	No. Obs.		Mean No. of Hours with Temperature						TOTAL				
Rel. Hum.											≤ 0 F    ≤ 32 F    ≥ 67 F    ≥ 73 F    ≥ 80 F    ≥ 93 F						Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.						$\leq 0\text{ }^{\circ}\text{F}$	$\leq 32\text{ }^{\circ}\text{F}$	$\geq 67\text{ }^{\circ}\text{F}$	$\geq 73\text{ }^{\circ}\text{F}$	$\geq 80\text{ }^{\circ}\text{F}$	$\geq 93\text{ }^{\circ}\text{F}$	
Dry Bulb												
Wet Bulb												
Dew Point												

## PSYCHROMETRIC SUMMARY

14780

**LAKEHURST, NEW JERSEY**

73-77

DEC

STATION

STATION NAME

**YEARS**

**MONTH**

**PAGE 2**

HOURS (L.S.T.)

[illegible]

NAVWEASERVCOM

# PSYCHROMETRIC SUMMARY

14780

LAKEHURST, NEW JERSEY

73-77

ALL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (L.S.T.)

5

PSYCHROMETRIC SUMMA

JAN 68

6800

6801

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL				
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30		≥ 31	Dry Bulb	Wet Bulb	Dew Point	
100/ 99																		2	2			
98/ 97																		4	4			
96/ 95																		6	6			
94/ 93																		13	13			
92/ 91																		35	35			
90/ 89																		86	86			
88/ 87																		94	94			
86/ 85																		152	152			
84/ 83																		182	182			
82/ 81																		223	223			
80/ 79																		270	270	13		
78/ 77																		339	339	64		
76/ 75																		379	379	173		
74/ 73																		440	440	326		
72/ 71																		469	469	475		
70/ 69																		527	527	549		
68/ 67																		530	530	590		
66/ 65																		494	494	603		
64/ 63																		502	502	527		
62/ 61																		467	467	563		
60/ 59																		503	503	552		
58/ 57																		520	520	507		
56/ 55																		492	492	519		
54/ 53																		433	433	523		
52/ 51																		393	393	458		
50/ 49																		412	412	409		
48/ 47																		468	468	409		
46/ 45																		455	455	499		
44/ 43																		443	443	477		
42/ 41																		428	428	470		
40/ 39																		449	449	514		
38/ 37																		402	402	491		
36/ 35																		376	376	455		
34/ 33																		358	358	472		
Element (X)																						
Rel. Hum.																						
Dry Bulb																						
Wet Bulb																						
Dew Point																						
Mean No. of Hours with Temperature																		≤ 0 F	≥ 73 F	≥ 80 F	≥ 93 F	Total

NAVWEASERVCOM



## PSYCHROMETRIC SUMMARY

14780 STATION

STATION NAME
LAKEHURST, NEW JERSEY

73-77

**ALL MONTH**

**PAGE 2**

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
																	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
32/ 31	.3	.9	.9	.5	.1													347	347	471	466
30/ 29	.1	.9	.8	.2	.0													256	256	378	428
28/ 27	.2	.7	.7	.2	.0													246	246	361	444
26/ 25	.3	.5	.7	.1														194	194	285	402
24/ 23	.1	.6	.6	.1														187	187	212	415
22/ 21	.1	.5	.4	.0														139	139	187	362
20/ 19	.1	.4	.3	.0														110	110	167	328
18/ 17	.1	.3	.2															82	82	127	251
16/ 15	.1	.3	.1															69	69	90	234
14/ 13	.1	.3	.1															54	54	79	168
12/ 11	.0	.2	.0															32	32	45	157
10/ 9	.0	.1	.0															22	22	37	144
8/ 7	.0	.1	.0															13	13	16	125
6/ 5	.0	.1	.0															15	15	16	109
4/ 3		.0																4	4	10	57
2/ 1		.0																1	1	3	41
0/- 1	.0																	4	4	5	34
- 2/- 3	.0																	1	1	1	26
- 4/- 5																					13
- 6/- 7																					12
- 8/- 9																					9
-10/-11																					8
-12/-13																					7
-14/-15																					2
-20/-21																					2
TOTAL	7.725	620.7	14.4	10.3	6.9	5.5	3.9	2.4	1.6	.7	.3	.0	.0	.0				13128	13128	13128	13128

NAVWEASERVCOM

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DERIVED FROM HOURLY OBSERVATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

STATION	HRS.(L.S.T.)	STATION NAME												YEARS	ANNUAL
		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.		
01	MEAN	10.78	10.32	8.71	9.78	7.16	5.65	5.24	4.61	7.55	8.64	11.15	10.73	15.59	
	S. D.	93	84	93	90	93	90	93	93	90	93	90	86	1088	
	TOTAL OBS														
04	MEAN	31.8	29.0	37.3	44.6	52.8	62.4	66.6	66.6	59.2	48.8	42.8	35.4	48.3	
	S. D.	10.48	10.74	9.00	9.97	7.55	6.01	5.73	4.95	7.94	9.29	11.01	10.49	15.52	
	TOTAL OBS	93	84	93	90	93	90	93	93	90	93	90	85	1087	
07	MEAN	26.6	29.1	38.0	46.7	56.5	65.7	69.7	68.0	60.1	48.0	40.6	31.7	48.5	
	S. D.	12.39	11.84	9.52	9.79	7.09	5.96	4.77	5.55	7.83	9.80	11.27	11.53	17.47	
	TOTAL OBS	155	141	155	150	155	150	155	155	150	154	150	155	1825	
10	MEAN	31.5	35.4	44.8	55.2	64.4	73.0	78.1	77.2	69.0	57.2	48.2	36.8	56.0	
	S. D.	11.96	11.85	10.17	11.84	8.88	7.43	5.31	5.82	7.31	8.50	10.50	10.19	18.48	
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826	
13	MEAN	35.8	40.2	49.0	58.7	68.3	76.4	82.1	81.1	72.7	61.6	52.4	40.7	60.0	
	S. D.	12.32	12.39	10.80	12.86	10.14	8.44	6.12	6.74	7.97	8.97	11.22	10.30	18.67	
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826	
16	MEAN	36.1	40.9	49.9	58.9	67.9	76.3	81.6	80.2	72.4	61.3	51.8	40.2	59.9	
	S. D.	11.87	12.16	10.39	12.09	10.15	8.50	6.84	6.83	7.84	8.57	10.87	9.96	18.28	
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826	
19	MEAN	32.1	36.2	45.1	53.6	62.3	71.7	77.3	74.6	66.2	54.9	46.2	36.0	54.8	
	S. D.	11.73	10.90	8.26	10.49	8.46	7.45	6.04	5.56	6.83	7.75	10.31	10.04	17.53	
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826	
22	MEAN	29.3	33.5	41.5	49.0	57.2	65.9	70.8	69.9	62.5	51.6	44.2	34.2	50.9	
	S. D.	11.76	11.40	8.38	9.62	7.37	6.03	4.90	5.18	6.84	8.53	10.93	10.65	16.47	
	TOTAL OBS	155	141	155	150	155	150	154	155	150	155	150	154	1824	
ALL HOURS	MEAN	32.0	34.8	43.6	52.3	61.2	70.1	75.1	73.9	65.9	54.8	46.7	36.4	54.0	
	S. D.	12.15	12.33	10.50	12.12	10.13	8.73	7.95	7.89	9.06	10.10	11.58	10.85	18.04	
	TOTAL OBS	1116	1014	1116	1080	1116	1080	1115	1116	1080	1115	1080	1100	13128	



## MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DERIVED FROM HOURLY OBSERVATIONS

73-77

LAKEHURST, NEW JERSEY

STATION

STATION NAME

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	30.7 10.406 93	27.4 9.919 84	35.4 8.830 93	42.0 9.484 90	51.4 7.413 93	61.9 5.736 90	65.8 5.425 93	63.7 4.863 93	58.4 7.987 90	47.8 8.986 93	41.4 10.438 90	33.9 10.622 86	47.0 15.676 1088
04	29.8 10.190 93	26.8 10.341 84	34.5 9.133 93	41.3 9.816 90	50.6 7.850 93	61.0 6.107 90	64.8 5.832 93	64.7 5.376 93	57.6 8.419 90	46.7 9.493 93	40.3 10.551 90	33.5 10.209 85	46.2 15.737 1087
07	25.1 11.948 155	26.8 10.980 141	35.4 9.438 155	42.6 9.585 150	53.4 7.567 155	63.0 6.003 150	66.5 4.925 155	66.3 5.699 155	58.5 7.877 150	46.1 9.926 154	38.5 11.161 150	29.9 11.183 155	46.1 17.255 1825
10	28.9 11.633 155	31.3 10.653 141	39.5 9.552 155	46.4 9.508 150	56.1 7.903 155	65.2 6.188 150	68.5 4.854 155	69.3 5.647 155	62.5 7.505 150	51.3 8.838 155	43.3 10.555 150	33.7 10.121 155	49.8 16.570 1826
13	31.3 11.069 155	33.9 10.173 141	41.6 9.114 155	48.0 9.327 150	57.3 7.967 155	65.7 6.184 150	69.3 5.011 155	69.9 5.523 155	63.4 7.159 150	53.0 8.371 155	45.2 10.509 150	35.9 9.823 155	51.3 15.862 1826
16	31.4 10.658 155	34.3 9.960 141	42.0 8.306 155	48.2 8.979 150	57.4 7.722 155	65.7 6.069 150	69.1 4.757 155	69.6 5.193 155	63.4 6.713 150	52.8 7.916 155	45.0 10.312 150	35.4 9.594 155	51.3 15.636 1826
19	29.0 11.183 155	31.6 9.818 141	39.5 7.975 155	45.7 8.733 150	55.3 7.374 155	64.2 5.984 150	68.2 4.652 155	68.2 4.973 155	61.3 6.814 150	49.9 8.241 155	42.1 10.569 150	32.8 10.160 155	49.1 16.061 1826
22	26.9 11.311 155	30.0 10.557 141	37.5 8.437 155	43.3 8.822 150	53.2 7.503 155	62.1 5.983 150	66.2 5.067 154	66.2 5.331 155	59.6 7.216 150	48.1 8.933 155	40.9 11.039 150	31.6 10.621 154	47.2 16.135 1824
ALL HOURS	29.0 11.316 1116	30.6 10.661 1014	38.5 9.210 1116	45.0 9.536 1080	54.7 7.977 1116	63.8 6.249 1080	67.5 5.219 1115	67.8 5.648 1116	60.9 7.679 1080	49.7 9.144 1115	42.2 10.876 1080	33.3 10.431 1100	48.7 16.291 13128



# MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14780 LAKEHURST, NEW JERSEY

73-77

STATION

STATION NAME

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
01	MEAN	25.8	20.8	29.7	36.8	48.9	60.6	64.2	64.4	56.8	45.1	37.3	30.0	43.6
	S. D.	12.360	12.439	12.085	11.805	8.793	6.392	6.469	5.401	8.881	10.595	11.841	12.219	17.985
	TOTAL OBS	93	84	93	90	93	90	93	93	90	93	90	86	1088
04	MEAN	25.3	21.2	29.4	37.0	48.6	60.2	63.7	64.0	56.5	44.3	37.0	29.8	43.3
	S. D.	12.118	12.575	11.947	11.797	9.146	6.474	6.267	5.907	9.125	10.915	11.539	11.482	17.864
	TOTAL OBS	93	84	93	90	93	90	93	93	90	93	90	85	1087
07	MEAN	20.4	21.4	30.8	37.5	50.6	61.2	64.7	65.4	57.6	44.1	35.4	25.9	43.0
	S. D.	14.093	12.494	11.651	11.850	9.362	6.842	5.840	6.061	8.277	10.962	12.448	12.918	19.172
	TOTAL OBS	155	141	155	150	155	150	155	155	150	154	150	155	1825
10	MEAN	22.7	23.3	31.6	36.4	49.2	60.5	63.1	65.1	58.1	45.5	37.1	28.0	43.5
	S. D.	14.623	12.773	12.868	12.289	10.825	7.748	6.848	7.388	9.671	11.754	13.240	12.636	18.773
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
13	MEAN	22.2	22.9	31.4	36.0	48.5	59.1	62.1	64.0	57.2	44.7	36.5	27.7	42.8
	S. D.	14.065	12.162	12.951	12.349	10.825	8.200	7.515	7.609	9.835	11.763	13.550	13.139	18.571
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
16	MEAN	21.9	22.7	31.2	36.1	49.0	59.3	62.1	64.2	57.6	44.6	36.4	27.1	42.8
	S. D.	13.789	12.466	12.035	12.515	10.484	8.062	7.330	7.134	9.128	11.469	13.661	13.140	18.611
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
19	MEAN	21.8	22.4	31.2	36.3	49.3	59.5	63.2	64.0	58.0	44.8	36.4	26.5	42.9
	S. D.	14.045	12.360	11.876	12.208	9.839	7.564	6.484	6.379	8.322	10.946	13.313	13.253	18.693
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
22	MEAN	20.9	22.6	30.9	35.9	49.6	59.5	63.5	64.1	57.4	44.3	36.4	26.3	42.7
	S. D.	13.673	12.712	11.723	11.887	9.587	7.374	6.377	6.180	8.345	10.981	13.107	13.217	18.683
	TOTAL OBS	155	141	155	150	155	150	154	155	150	155	150	154	1824
ALL HOURS	MEAN	22.3	22.3	30.9	36.5	49.2	59.9	63.3	64.5	57.5	44.7	36.5	27.4	43.0
	S. D.	13.817	12.480	12.146	12.095	9.970	7.467	6.731	6.640	8.945	11.199	12.953	12.898	18.615
	TOTAL OBS	1116	1014	1116	1080	1116	1080	1115	1116	1080	1115	1080	1100	13128

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

## 20

JAN

**MONTH**

Q

TOTALS

**833**

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
FEB	01	100.0	100.0	100.0	98.8	85.7	67.9	51.2	26.2	10.7	69.9	84
	04	100.0	100.0	100.0	98.8	91.7	77.4	64.3	34.5	14.3	73.5	84
	07	100.0	100.0	100.0	99.3	93.6	81.6	64.5	39.0	11.3	74.1	141
	10	100.0	100.0	99.3	93.6	73.0	44.0	30.5	21.3	10.6	63.1	141
	13	100.0	100.0	93.6	73.0	44.0	29.1	17.1	12.1	5.0	52.7	141
	16	100.0	100.0	88.7	64.5	41.1	27.0	17.1	12.8	4.3	51.1	141
	19	100.0	100.0	97.9	89.4	63.8	36.9	22.5	13.5	7.1	59.1	141
	22	100.0	100.0	100.0	97.2	82.3	57.4	36.2	21.3	8.5	65.7	141
TOTALS		100.0	100.0	97.4	89.3	71.9	52.7	36.8	22.6	9.0	63.7	1014

NAVWEASERVCOM



## RELATIVE HUMIDITY

14780

**LAKEHURST, NEW JERSEY**

73-77

MAR

STATION

STATION NAME

PERIOD

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	01	100.0	100.0	100.0	97.8	89.2	68.8	53.8	35.5	17.2	71.7	93
	04	100.0	100.0	100.0	97.8	94.6	78.5	54.8	40.9	23.7	74.5	93
	07	100.0	100.0	100.0	100.0	95.5	82.6	61.9	40.6	23.2	76.4	155
	10	100.0	100.0	98.7	90.3	63.9	40.6	27.0	22.6	16.8	62.4	155
	13	100.0	98.1	88.4	67.7	44.5	34.8	29.5	19.4	12.9	55.0	155
	16	100.0	98.1	87.1	58.7	41.3	31.6	25.2	18.7	11.0	52.9	155
	19	100.0	100.0	97.4	85.8	59.4	44.5	32.9	23.2	12.3	61.4	155
	22	100.0	100.0	98.7	93.5	81.3	58.7	43.2	31.6	16.1	68.3	155
TOTALS		100.0	99.5	96.3	86.5	71.2	55.0	40.9	29.1	16.7	65.3	1116

APR

PERIOD

**MONTH**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
APR	01	100.0	100.0	100.0	97.8	94.4	67.8	42.6	31.1	17.8	71.7	90
	04	100.0	100.0	100.0	100.0	100.0	83.3	59.7	36.7	22.2	75.6	90
	07	100.0	100.0	100.0	98.0	90.7	74.7	50.7	32.0	16.0	71.9	150
	10	100.0	100.0	93.3	71.3	41.3	23.3	16.7	13.3	10.0	52.3	150
	13	100.0	96.7	75.3	49.3	30.7	22.0	17.3	12.7	8.0	47.1	150
	16	100.0	96.0	75.3	50.0	31.3	22.7	18.0	13.3	7.3	47.0	150
	19	100.0	98.7	90.0	70.7	53.3	34.7	23.3	18.0	11.3	55.9	150
	22	100.0	100.0	97.3	88.7	71.3	49.3	34.0	20.7	10.7	63.2	150
TOTALS		100.0	98.9	91.4	78.2	64.1	47.2	32.8	22.2	12.9	60.6	1080

# RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

14780

LAKEHURST, NEW JERSEY

73-77

MAY

MONTH

PERIOD

STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	01	100.0	100.0	100.0	100.0	97.8	95.7	81.7	60.2	32.3	83.3	93
	04	100.0	100.0	100.0	100.0	97.8	97.8	90.3	71.0	38.7	86.4	93
	07	100.0	100.0	100.0	100.0	98.1	89.0	73.5	56.8	34.8	81.8	155
	10	100.0	100.0	99.4	85.2	64.5	46.5	27.7	19.4	7.1	60.6	155
	13	100.0	99.4	89.0	69.0	45.8	29.0	17.4	9.7	4.5	52.3	155
	16	100.0	99.4	91.0	69.0	47.7	36.8	22.2	13.5	5.8	54.4	155
	19	100.0	100.0	98.1	90.3	72.9	54.2	41.3	28.4	11.6	65.3	155
	22	100.0	100.0	98.7	97.4	92.9	82.6	67.7	51.0	22.6	77.6	155
TOTALS		100.0	99.9	97.0	88.9	77.2	66.5	52.6	38.8	19.7	70.2	1116





# RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

14780 JUL

73-77

LAKEHURST, NEW JERSEY

MONTH

PERIOD

STATION NAME

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	01	100.0	100.0	100.0	100.0	98.9	98.9	94.6	77.4	32.5	86.9	93
	04	100.0	100.0	100.0	100.0	100.0	98.9	97.8	93.5	50.5	90.8	93
	07	100.0	100.0	100.0	100.0	100.0	99.4	87.1	67.1	32.3	84.9	155
	10	100.0	100.0	100.0	93.5	77.4	48.4	29.5	11.6	.6	61.5	155
	13	100.0	100.0	99.4	77.4	51.0	26.5	11.0	7.7	2.6	52.7	155
	16	100.0	100.0	96.8	75.5	51.6	28.4	19.8	11.6	5.2	54.2	155
	19	100.0	100.0	100.0	96.1	77.4	52.9	32.9	19.4	5.8	63.8	155
	22	100.0	100.0	100.0	100.0	99.4	89.0	71.4	44.8	18.8	78.5	154
TOTALS		100.0	100.0	99.5	92.8	82.0	67.8	34.8	41.6	18.9	71.7	1115







130

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
DEC	01	100.0	100.0	100.0	100.0	100.0	92.5	81.7	58.1	32.3	82.6	93
	04	100.0	100.0	100.0	98.9	98.9	96.8	87.1	66.7	39.8	85.3	93
	07	100.0	100.0	100.0	100.0	99.4	96.8	90.3	75.3	46.1	87.1	154
	10	100.0	100.0	100.0	95.5	81.3	55.5	35.5	23.9	15.5	66.2	155
	13	100.0	100.0	96.8	80.0	54.2	32.3	25.2	16.8	7.7	56.5	155
	16	100.0	100.0	93.5	78.7	56.1	36.8	25.5	19.4	7.7	57.3	155
	19	100.0	100.0	99.4	96.1	89.0	71.0	47.0	28.4	14.2	70.4	155
	22	100.0	100.0	100.0	100.0	96.1	86.5	65.6	41.9	20.0	77.3	155
TOTALS		100.0	100.0	98.7	93.7	84.4	71.0	50.9	41.3	22.9	72.8	1115

# RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

STATION 14780 LAKEHURST, NEW JERSEY PERIOD 73-77 MONTH NOV

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	01	100.0	100.0	100.0	98.9	94.4	86.7	69.7	36.7	18.9	76.5	90
	04	100.0	100.0	100.0	100.0	97.8	92.2	72.6	56.7	21.1	80.6	90
	07	100.0	100.0	100.0	100.0	100.0	94.0	84.0	59.3	30.0	82.3	150
	10	100.0	100.0	100.0	97.3	85.3	53.3	37.3	25.3	11.3	66.9	150
	13	100.0	100.0	99.3	82.7	48.7	32.7	21.3	18.0	8.7	57.0	150
	16	100.0	100.0	99.3	81.3	55.3	34.7	29.0	20.7	10.0	58.4	150
	19	100.0	100.0	100.0	98.7	88.7	66.0	41.3	28.7	14.0	70.0	150
	22	100.0	100.0	100.0	99.3	96.0	83.3	60.7	34.7	15.3	74.8	150



DEC

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	01	100.0	100.0	100.0	100.0	100.0	91.9	72.6	50.0	18.6	79.4	86
	04	100.0	100.0	100.0	100.0	100.0	94.1	81.2	55.3	20.0	80.5	85
	07	100.0	100.0	100.0	100.0	98.1	92.9	76.1	57.4	18.7	79.9	155
	10	100.0	100.0	100.0	100.0	92.3	72.3	47.1	33.5	14.6	71.8	155
	13	100.0	100.0	98.7	89.7	65.8	46.5	29.0	23.2	6.5	61.8	155
	16	100.0	100.0	99.4	91.6	63.9	46.5	30.3	18.7	9.0	61.5	155
	19	100.0	100.0	100.0	98.7	88.4	69.7	43.2	25.8	12.9	69.5	155
	22	100.0	100.0	100.0	98.7	96.1	82.5	52.8	30.5	14.3	73.7	154
TOTALS		100.0	100.0	99.8	97.3	88.1	74.6	54.8	36.8	14.4	72.3	1100

## RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

14780

LAKEHURST, NEW JERSEY

73-77

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	98.9	96.4	85.8	67.2	49.5	32.1	14.3	69.8	1116
FEB		100.0	100.0	97.4	89.3	71.9	52.7	38.8	22.6	9.0	63.7	1014
MAR		100.0	99.5	96.3	86.5	71.2	55.0	40.9	29.1	16.7	65.3	1116
APR		100.0	98.9	91.4	78.2	64.1	47.2	34.8	22.2	12.9	60.6	1080
MAY		100.0	99.9	97.0	88.9	77.2	66.5	53.6	38.8	19.7	70.2	1116
JUN		100.0	100.0	99.6	94.7	84.9	73.6	61.0	48.0	28.3	75.1	1080
JUL		100.0	100.0	99.5	92.8	82.0	67.8	54.8	41.6	18.9	71.7	1113
AUG		100.0	100.0	99.9	97.9	89.4	77.8	66.2	50.9	25.2	76.6	1116
SEP		100.0	100.0	99.8	96.7	90.5	81.2	68.9	53.7	28.1	78.0	1080
OCT		100.0	100.0	98.7	93.7	84.4	71.0	56.9	41.3	22.9	72.8	1113
NOV		100.0	100.0	99.8	94.8	83.3	67.9	51.6	35.0	16.2	70.8	1080
DEC		100.0	100.0	99.8	97.3	88.1	74.6	59.8	36.8	14.4	72.3	1100
TOTALS		100.0	99.9	98.2	92.3	81.1	66.9	52.4	37.7	18.9	70.6	13128

## PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

14780

LAKEHURST, NEW JERSEY

JAN 1973-DEC 1977

JANUARY

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56	2.9			14.7	26.5	23.5	26.5	5.9		34	3.0
47 TO 51	9.6		1.9	11.5	11.5	9.6	26.9	17.3	11.5	52	4.7
42 TO 46	13.5	4.2	8.3	5.2	13.5	9.4	21.9	13.5	10.4	96	8.6
37 TO 41	9.4	5.0	6.9	6.3	6.9	8.8	23.8	16.4	14.5	159	14.2
32 TO 36	8.0	5.5	7.5	3.0	4.0	7.5	28.1	18.6	17.6	199	17.8
27 TO 31	5.0	7.8	7.3	2.8	1.7	5.0	20.7	25.1	24.6	179	16.0
22 TO 26	10.4	5.6	3.5	1.4	2.8	4.2	27.1	22.9	22.2	144	12.9
17 TO 21	10.1	2.0	2.0		5.1	4.0	26.3	22.2	28.3	99	8.9
12 TO 16	11.0	4.1	1.4		1.4	2.7	31.5	35.6	12.3	73	6.5
7 TO 11		4.2	4.2	4.2		4.2	37.5	20.8	25.0	24	2.2
2 TO 6						7.7	61.5	30.8		13	1.2
-3 TO 1							80.0	20.0		5	.4
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	8.2	4.6	5.1	3.6	6.5	7.6	27.0	20.2	17.3	1116	100.0



PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

14780 STATION LAKEHURST, NEW JERSEY

JAN 1973-DEC 1977

FEBRUARY

ALL MONTHS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.2	7.5	7.1	4.0	7.6	9.9	21.7	20.9	12.1	1014	100.0

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

## WIND DIRECTION

### 14780 LAKEHURST, NEW JERSEY

### JAN 1973-DEC 1977

### MARCH

STATION NAME

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	9.3	7.4	10.6	7.1	9.5	7.8	13.5	22.1	12.6	1116	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

14780 STATION NAME  
LAKEHURST, NEW JERSEY

JAN 1973-DEC 1977  
YEARS

MONTH  
APRIL

HOURS (L.S.T.)  
ALL

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96								100.0		1	.1
87 TO 91				33.3	16.7		50.0			6	.6
82 TO 86				5.9	11.8	35.3	41.2	5.9		17	1.6
77 TO 81			9.5		19.0	14.3	47.6	4.8	4.8	21	1.9
72 TO 76	6.5			3.2	22.6	32.3	32.3	3.2		31	2.9
67 TO 71	3.6		7.1		14.3	28.6	17.9	21.4	7.1	56	5.2
62 TO 66	6.1		2.0	4.0	17.2	21.2	29.3	16.2	4.0	99	9.2
57 TO 61	7.9	1.6	.8	10.2	11.8	13.4	29.1	18.9	6.3	127	11.8
52 TO 56	9.2	2.0	9.2	7.9	13.2	4.6	23.0	22.4	8.6	132	14.1
47 TO 51	13.2	9.3	8.3	11.7	5.4	4.9	20.0	17.1	10.2	205	19.0
42 TO 46	6.7	6.7	8.9	7.8	3.4	4.5	17.3	31.3	13.4	179	16.6
37 TO 41	20.8	6.3	2.1	1.0	3.1	3.1	20.8	26.0	16.7	96	8.9
32 TO 36	24.6					3.1	13.8	40.0	18.5	65	6.0
27 TO 31	4.8	4.8			4.8		14.3	57.1	14.3	21	1.9
22 TO 26								100.0		4	.4
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10.2	4.0	3.4	6.7	8.8	9.5	22.7	23.0	9.8	1080	100.0



# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

14780

LAKEHURST, NEW JERSEY

JAN 1973-DEC 1977

MAY

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86		4.2		8.3	10.0	12.5	50.0	40.0		1	.1
77 TO 81	1.6				12.5	18.0	37.7	18.0		10	.9
72 TO 76	2.3	2.3	3.4	9.8	13.1	16.0	37.7	18.0	1.6	24	2.2
67 TO 71	7.1	.7	4.3	5.7	21.6	16.2	33.0	6.0	5.7	61	5.5
62 TO 66	5.4	1.6	8.1	9.9	23.4	12.1	24.8	15.6	2.1	88	7.9
57 TO 61	8.4	3.5	13.9	11.3	22.0	12.9	19.4	12.4	7.0	141	12.6
52 TO 56	7.7	6.2	17.7	10.9	16.3	9.9	9.9	12.9	14.4	186	16.7
47 TO 51	6.3	7.0	14.8	11.7	9.1	3.8	12.9	11.5	16.7	202	18.1
42 TO 46	15.4	7.7	11.5	9.6	10.2	3.9	14.1	12.5	19.5	209	18.7
37 TO 41	23.1		7.7			3.8	17.3	11.5	23.1	128	11.5
32 TO 36							7.7	15.4	46.2	52	4.7
27 TO 31								100.0		13	1.2
22 TO 26										1	.1
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	6.7	3.6	10.3	10.8	15.2	9.9	19.3	13.0	11.6	1116	100.0

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

STATION NAME  
LAKEHURST, NEW JERSEY

YEARS  
JAN 1973-DEC 1977

MONTH  
JUNE

ALL  
HOURS (L.S.T.)

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	7.5		3.8	2.5	33.3	33.3	33.3	12.8		3	.3
77 TO 81	1.5	2.2	2.2	6.7	17.5	23.0	23.7	11.3	1.3	39	3.6
72 TO 76	6.9	1.0	10.3	12.8	18.2	15.8	16.2	10.3	6.4	80	7.4
67 TO 71	6.0	5.1	10.2	12.3	20.9	9.4	13.2	10.2	12.6	135	12.5
62 TO 66	7.7	7.2	13.8	14.4	11.8	8.2	11.3	7.7	17.9	203	18.8
57 TO 61	8.6	9.3	20.7	10.0	9.3	6.4	5.7	9.3	20.7	235	21.8
52 TO 56	15.9	11.4	20.5	4.5		6.8	4.5	6.8	29.5	195	18.1
47 TO 51	33.3							33.3	33.3	140	13.0
42 TO 46										44	4.1
37 TO 41										6	.6
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	6.5	4.7	10.7	10.2	15.7	12.8	17.3	10.2	11.9	1080	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

14780

LAKEHURST, NEW JERSEY

STATION NAME

JAN 1973-DEC 1977

YEARS

JULY

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96					7.7	40.0	40.0	20.0		5	.4
87 TO 91	10.1	1.8	3.6		2.9	18.8	39.1	26.1	2.9	69	6.2
82 TO 86	7.1	1.9	6.8	4.8	13.7	16.7	32.1	16.1	4.2	168	15.1
77 TO 81	7.7	4.1	6.3	6.3	16.4	15.5	23.7	15.0	6.8	207	18.6
72 TO 76	7.8	4.1	6.3	8.9	22.7	16.4	14.9	8.9	10.0	269	24.1
67 TO 71	6.7	3.6	7.1	7.1	11.6	17.8	14.2	8.4	23.6	225	20.2
62 TO 66	19.8	2.5	5.8	1.7	4.1	4.1	14.0	10.7	37.2	121	10.9
57 TO 61	23.3	3.3			3.3	3.3	3.3	10.0	53.3	30	2.7
52 TO 56		12.5				12.5	25.0	12.5	37.5	6	.7
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.1	2.8	5.4	5.7	13.7	15.1	20.6	12.6	15.0	1115	100.0

NAVWEASERVCOM



# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

## WIND DIRECTION

14780 STATION LAKEHURST, NEW JERSEY

JAN 1973-DEC 1977 YEARS

AUGUST MONTH

ALL HOURS (L.S.T.)

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101									100.0	1	.1
92 TO 96	18.8		6.3	6.3	6.3	6.3	25.0	31.3		16	1.4
87 TO 91	6.9		1.7	1.7	8.6	22.4	44.8	12.1	1.7	58	5.2
82 TO 86	5.0	2.5	1.7	5.8	12.5	15.0	31.7	20.0	5.8	120	10.8
77 TO 81	8.3	3.1	5.2	12.4	19.2	14.5	16.1	13.0	8.3	193	17.3
72 TO 76	2.9	3.3	13.1	8.0	15.3	16.0	15.6	9.1	16.7	275	24.6
67 TO 71	3.9	6.3	12.9	5.1	10.2	11.3	12.5	7.4	30.5	256	22.9
62 TO 66	15.9	11.0	8.3	3.4	2.8	3.4	7.6	7.6	40.0	145	13.0
57 TO 61	5.1	5.1	2.6		2.6	2.6	5.1	20.5	56.4	39	3.5
52 TO 56	8.3						8.3	33.3	50.0	12	1.1
47 TO 51									100.0	1	.1
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	6.5	4.7	8.6	6.5	11.7	12.5	16.8	11.5	21.1	1116	100.0

NAVWEASERVCOM

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

14780

LAKEHURST, NEW JERSEY

STATION

JAN 1973-DEC 1977

YEARS

SEPTEMBER

MONTH

ALL

HOURS (L.S.T.)

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96	100.0									1	.1
87 TO 91	5.9			5.9		29.4	35.3	17.6	5.9	17	1.6
82 TO 86	6.7			3.3	16.7	16.7	20.0	23.3	13.3	30	2.8
77 TO 81		3.6	3.6	1.2	19.3	28.9	24.1	16.9	2.4	83	7.7
72 TO 76	4.7	2.0	6.0	8.1	21.5	17.4	18.8	11.4	10.1	149	13.8
67 TO 71	4.9	3.1	5.3	11.5	16.8	10.2	17.7	16.4	14.2	226	20.9
62 TO 66	8.6	10.3	12.1	10.8	10.8	5.6	10.8	14.2	16.8	232	21.5
57 TO 61	11.1	21.1	10.0	4.7	3.7	2.1	7.9	12.6	26.8	190	17.6
52 TO 56	15.2	6.5	4.3		3.3	1.1	7.6	17.4	44.6	92	8.5
47 TO 51	14.0	7.0					4.7	18.6	55.8	43	4.0
42 TO 46	14.3	21.4					14.3	14.3	35.7	14	1.3
37 TO 41	100.0									3	.3
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	8.1	8.2	6.9	6.9	11.7	9.4	14.0	14.9	19.8	1080	100.0

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

14780 STATION LAKEHURST, NEW JERSEY

JAN 1973-DEC 1977

OCTOBER

ALL HOURS (L.S.T.)

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.0	7.4	10.2	5.9	7.4	6.7	18.7	18.0	16.6	1115	100.0

NAVWEASERVCOM



# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

14780 LAKEHURST, NEW JERSEY

JAN 1973-DEC 1977

NOVEMBER

ALL

HOURS (L.S.T.)

YEARS

STATION NAME

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76	6.3			6.3	12.5	18.8	75.0	25.0		4	.4
67 TO 71	3.6		3.6	7.1	17.9	23.6	37.5	18.8		16	1.5
62 TO 66		1.4	11.6	10.1	24.6	23.2	35.7	3.6		28	2.6
57 TO 61	4.4	4.4	13.3	6.2	15.0	16.8	23.0	10.1	1.4	69	6.4
52 TO 56	3.9	4.5	13.6	7.8	16.2	13.0	15.6	9.1	6.2	113	10.5
47 TO 51	5.6	6.3	8.4	5.6	7.0	14.0	24.5	18.9	16.2	154	14.3
42 TO 46	8.2	6.5	5.3	6.5	2.9	6.5	30.0	22.4	9.8	143	13.2
37 TO 41	7.4	4.1	.7	1.4	4.1	13.5	27.0	25.7	11.8	170	15.7
32 TO 36	2.2	5.1	2.2		2.2	7.2	31.2	26.1	16.2	148	13.7
27 TO 31	2.8	2.8			2.8	5.6	32.4	23.9	23.9	138	12.8
22 TO 26	18.8						43.8	12.5	29.6	71	6.6
17 TO 21					12.5		62.5	12.5	25.0	16	1.5
12 TO 16							50.0	12.5	12.5	8	.7
7 TO 11								50.0		2	.2
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	5.0	4.4	6.5	4.6	8.6	12.1	26.5	18.3	13.9	1080	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

14700 STATION NAME LAKEHURST, NEW JERSEY JAN 1973-DEC 1977 YEARS MONTH DECEMBER ALL HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66					60.0	100.0	30.0			1	.1
57 TO 61	6.7	3.3			33.3	33.3	10.0	10.0	3.3	10	.9
52 TO 56	1.8	3.6		10.7	42.9	17.9	21.4		1.8	56	5.1
47 TO 51	5.3	2.1	13.8	5.3	18.1	16.0	21.3	12.8	5.3	94	8.5
42 TO 46	8.1	8.1	12.7	10.4	8.7	11.0	16.8	16.8	7.5	173	15.7
37 TO 41	4.3	10.8	9.1	2.7	5.9	5.4	17.2	26.9	17.7	186	16.9
32 TO 36	12.8	12.2	2.1	1.1	3.7	3.2	16.5	27.1	21.3	188	17.1
27 TO 31	9.3	8.7	2.0	.7	2.7	6.0	18.0	25.3	27.3	150	13.6
22 TO 26	13.1	2.5	1.6		3.3	6.6	23.0	25.4	24.6	122	11.1
17 TO 21	3.8	1.9	3.8		3.8	5.8	40.4	26.9	13.5	52	4.7
12 TO 16	3.6					3.6	32.1	32.1	28.6	28	2.5
7 TO 11						10.0	30.0	10.0	50.0	10	.9
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	7.9	6.9	6.0	3.4	9.1	8.5	19.8	21.6	16.7	1100	100.0

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

LAKEHURST, NEW JERSEY

JAN 1973-DEC 1977

ALL

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96	11.4	2.9	8.6	33.3	16.7	16.7	33.3	16.7	16.7	6	.0
87 TO 91	6.0	.5	5.0	11.4	31.4	31.4	31.4	31.4	31.4	35	.3
82 TO 86	5.8	1.6	2.5	4.7	13.9	20.6	45.2	18.6	2.0	199	1.5
77 TO 81	4.9	2.2	4.4	7.4	18.3	17.5	33.7	16.0	4.3	445	3.4
72 TO 76	5.2	2.5	8.1	8.7	19.6	18.0	25.2	14.1	5.4	721	5.5
67 TO 71	5.2	3.7	8.3	8.6	15.6	16.9	18.9	9.9	10.2	1064	8.1
62 TO 66	8.2	5.4	9.4	8.2	13.4	14.1	16.9	11.6	16.0	1281	9.8
57 TO 61	7.0	8.4	11.3	7.5	11.2	10.1	15.6	13.0	15.0	1250	9.5
52 TO 56	7.2	5.7	11.5	8.7	12.4	8.6	16.0	13.6	16.3	1238	9.4
47 TO 51	9.0	6.4	8.0	7.8	9.4	8.5	19.9	16.3	14.7	1138	8.7
42 TO 46	8.5	6.3	10.1	7.8	7.1	6.9	19.6	19.8	14.1	1062	8.1
37 TO 41	9.7	8.2	8.6	4.1	5.2	6.0	18.8	23.5	15.9	1133	8.6
32 TO 36	11.3	7.6	5.6	1.9	4.0	5.6	19.8	24.0	20.1	1046	8.0
27 TO 31	8.9	7.0	5.0	1.9	2.6	4.8	18.2	28.8	22.9	940	7.2
22 TO 26	14.3	8.2	2.4	.9	2.8	3.9	21.9	24.9	20.6	643	4.9
17 TO 21	11.2	2.4	1.6		3.2	3.6	25.5	28.7	23.9	461	3.5
12 TO 16	12.7	2.1	.7		1.4	4.2	31.0	33.1	14.8	251	1.9
7 TO 11		2.1	2.1	2.1		6.3	33.3	31.3	22.9	142	1.1
2 TO 6						5.0	45.0	45.0	5.0	48	.4
-3 TO 1							80.0	20.0		20	.2
-8 TO -4										5	.0
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	8.0	5.5	7.7	6.3	10.5	10.1	19.8	17.2	14.9	13128	100.0



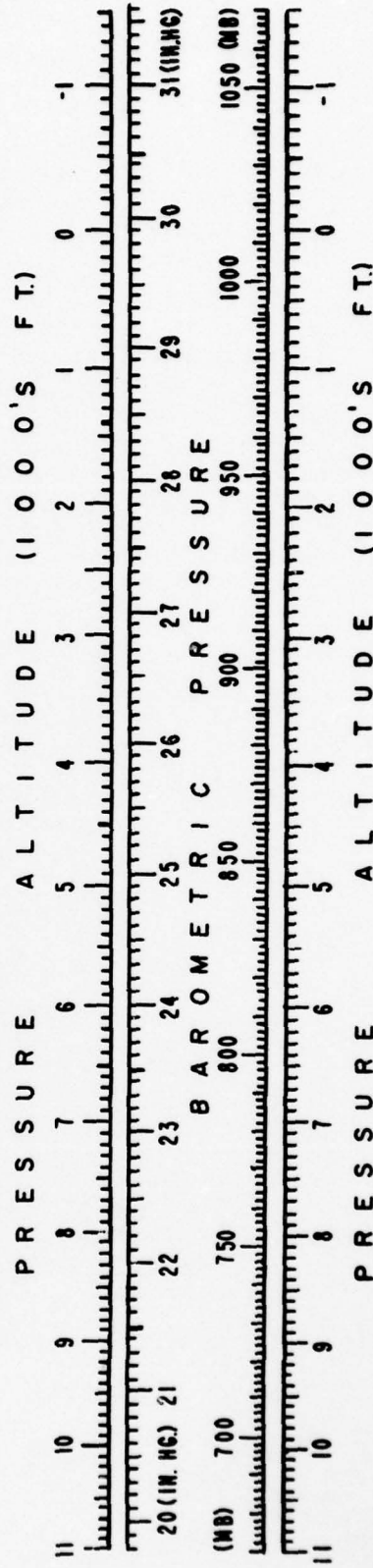


## PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

14780 LAKEHURST, NEW JERSEY

73-77

HRS.(L.S.T.)	STATION NAME												ANNUAL
	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	
01	MEAN	29.988	29.941	29.882	29.850	29.846	29.886	29.940	29.972	30.021	29.945	29.960	29.927
	S. D.	.243	.276	.298	.251	.149	.135	.110	.155	.186	.246	.275	.221
	TOTAL OBS	93	84	93	90	93	93	93	90	93	90	86	1088
04	MEAN	29.984	29.932	29.873	29.844	29.841	29.881	29.937	29.965	30.016	29.947	29.958	29.921
	S. D.	.251	.274	.297	.260	.153	.138	.112	.155	.187	.243	.277	.223
	TOTAL OBS	93	84	93	90	93	93	93	90	93	90	85	1087
07	MEAN	29.958	29.919	29.914	29.891	29.875	29.895	29.900	29.961	29.992	29.953	29.947	29.930
	S. D.	.259	.273	.270	.255	.177	.147	.120	.167	.220	.243	.297	.226
	TOTAL OBS	155	141	155	150	155	155	155	150	154	150	155	1825
10	MEAN	29.985	29.935	29.919	29.889	29.877	29.899	29.905	29.967	29.999	29.969	29.965	29.938
	S. D.	.264	.267	.281	.263	.177	.146	.122	.172	.224	.242	.300	.229
	TOTAL OBS	155	141	155	150	155	155	155	150	155	150	155	1826
13	MEAN	29.928	29.893	29.875	29.857	29.850	29.877	29.941	29.935	29.894	29.919	29.908	29.896
	S. D.	.268	.265	.292	.254	.175	.146	.121	.173	.225	.238	.304	.324
	TOTAL OBS	155	141	155	150	155	155	155	150	155	150	155	1826
16	MEAN	29.919	29.872	29.842	29.830	29.821	29.853	29.916	29.908	29.940	29.909	29.906	29.881
	S. D.	.273	.262	.291	.240	.171	.144	.120	.171	.220	.237	.293	.226
	TOTAL OBS	155	141	155	150	155	155	155	150	155	150	155	1826
19	MEAN	29.942	29.899	29.866	29.849	29.833	29.858	29.924	29.925	29.964	29.935	29.931	29.899
	S. D.	.275	.260	.282	.230	.163	.142	.118	.167	.218	.230	.288	.223
	TOTAL OBS	155	141	155	150	155	155	155	150	155	150	155	1826
22	MEAN	29.955	29.912	29.890	29.877	29.855	29.881	29.942	29.945	29.978	29.943	29.938	29.916
	S. D.	.268	.267	.275	.230	.165	.141	.129	.165	.228	.236	.292	.223
	TOTAL OBS	155	141	155	150	155	154	155	150	155	150	154	1824
ALL HOURS	MEAN	29.954	29.910	29.883	29.862	29.850	29.876	29.941	29.945	29.971	29.939	29.936	29.912
	S. D.	.265	.267	.285	.247	.169	.144	.121	.168	.208	.239	.293	.242
	TOTAL OBS	1116	1014	1116	1080	1116	1115	1116	1080	1115	1080	1100	13128



## MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBs FROM HOURLY OBSERVATIONS

73-77

LAKEHURST, NEW JERSEY

STATION

STATION NAME

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	1019.4 8,248 93	1017.9 9,360 84	1015.9 10,093 93	1014.7 8,475 90	1014.5 5,052 93	1016.0 5,795 90	1015.8 4,588 93	1017.7 3,747 93	1018.8 5,254 90	1020.5 6,324 93	1017.9 8,349 90	1018.5 9,321 86	1017.3 7,504 1088
04	1019.3 8,511 93	1017.6 9,308 84	1015.5 10,080 93	1014.6 8,742 90	1014.4 5,162 93	1015.8 5,872 90	1015.6 4,650 93	1017.6 3,759 93	1018.5 5,265 90	1020.3 6,355 93	1018.0 8,247 90	1018.4 9,386 85	1017.1 7,567 1087
07	1018.4 8,843 153	1017.1 9,274 141	1017.0 9,165 155	1016.1 8,653 150	1015.6 5,959 155	1016.0 6,019 150	1016.1 4,983 155	1018.4 4,085 155	1018.4 5,636 150	1019.5 7,457 154	1018.3 8,216 150	1018.0 9,071 155	1017.4 7,661 1825
10	1019.4 8,964 155	1017.7 9,051 141	1017.1 9,519 155	1016.0 8,885 150	1015.6 5,974 155	1016.1 6,039 150	1016.2 4,955 155	1018.5 4,136 155	1018.6 5,820 150	1019.8 7,588 155	1018.8 8,196 150	1018.7 9,166 155	1017.7 7,772 1826
13	1017.4 9,090 155	1016.2 8,979 141	1015.6 9,908 155	1014.9 8,590 150	1014.6 5,920 155	1015.4 6,035 150	1015.5 4,941 155	1017.7 4,116 155	1017.5 5,862 150	1018.4 7,574 155	1017.1 8,068 150	1016.7 9,959 155	1016.4 7,757 1826
16	1017.2 9,266 155	1015.6 8,903 141	1014.5 9,870 155	1014.0 8,131 150	1013.7 5,846 155	1014.6 6,019 150	1014.7 4,884 155	1016.9 4,064 155	1016.6 5,827 150	1017.8 7,470 155	1016.7 8,041 150	1016.7 9,959 155	1015.7 7,687 1826
19	1018.0 9,320 155	1016.5 8,817 141	1015.3 9,559 155	1014.7 7,797 150	1014.1 5,524 155	1014.9 5,884 150	1014.9 4,814 155	1017.1 3,998 155	1017.2 5,652 150	1018.6 7,401 155	1017.6 7,805 150	1017.5 9,776 155	1016.4 7,554 1826
22	1018.4 9,049 155	1016.9 9,062 141	1016.1 9,332 155	1015.6 7,775 150	1014.9 5,600 155	1015.7 5,888 150	1015.6 4,765 154	1017.7 4,371 155	1017.9 5,580 150	1019.0 7,731 155	1017.9 7,985 150	1017.8 9,890 154	1017.0 7,563 1824
ALL HOURS	1018.3 8,985 1116	1016.8 9,068 1014	1015.9 9,658 1116	1015.1 8,370 1080	1014.7 5,715 1116	1015.5 5,961 1080	1015.6 4,861 1115	1017.7 4,044 1116	1017.9 5,685 1080	1019.1 7,379 1115	1017.8 8,093 1080	1017.7 9,922 1100	1016.8 7,669 13128